NAME: **AMAO MUHAMMED OLAMIDE**

MATRIC NO: **17/SCI01/015**

COURSE CODE: **CSC 302**

**ASSIGNMENT**

1.





1ii)

Scientific Domain

| **LANGUAGE** | **DEVELOPER** | **DATE** |
| --- | --- | --- |
| FORTRAN | John Backus and IBM | 1950 |
| APT | Douglas T. Ross | 1956 |
| PL/I | IBM | 1964 |
| AMPL | AMPL Optimization,Inc. | 1966 |
| MATLAB | MathWorks | 1984 |
| J | Kenneth E, Iverson, Roger Hui | 1990 |
| Ch | Harry H. Cheng | 2001 |
| Julia | Jeff Bezanson, Alan Edelman and co. | 2012 |
| Cuneiform | Jörgen Brandt | 2013 |
| F | The Fortran Company |  |

Business Domain

| **LANGUAGE** | **DEVELOPER** | **DATE** |
| --- | --- | --- |
| FLOW-MATIC | Remington Rand and Grace Hopper | 1955 |
| COMTRAN | Bob Bemer | 1957 |
| COBOL | CODASYL, ANSI, ISO | 1959 |
| APL | Larry Breed, Dick Lathwell and co. | 1966 |
| DIBOL | DEC | 1970 |
| PL/B | Datapoint | 1972 |
| DAX | Microsoft | 2009 |

Artificial Intelligence Domain

| **LANGUAGE** | **DEVELOPER** | **DATE** |
| --- | --- | --- |
| IPL | Allen Newell, Cliff Shaw, Herbert A. Simon | 1956 |
| Lisp | Steve Russell, Timothy P. Hart, Mike Levin | 1958 |
| PLANNER | Carl Hewitt | 1969 |
| STRIPS | Richard Fikes and Nils Nilson | 1971 |
| Prolog | Alain Colmerauer, Robert Kowalski | 1972 |
| Wolfram | Stephen Wolfram | 1988 |
| R | Ross Ihaka and Robert Gentleman | 1993 |
| AIML | Dr. Richard S. Wallace | 2001 |

General Purpose

| **LANGUAGE** | **DEVELOPER** | **DATE** |
| --- | --- | --- |
| C | Dennis Ritchie and Bell Labs | 1972 |
| C++ | Bjarne Stroustrup | 1985 |
| Caml | Gérard Huet, Guy Cousineau and co. | 1985 |
| Clean | Software Technology Research Group of Radbound University Nijmegen | 1987 |
| Cilk | MIT Laboratory for Computer Science | 1994 |
| Boo | Rodrigo B. De Oliveria | 2003 |
| Citrine | Gabor de Mooji | 2014 |
| Ballerina | WSO2 | 2017 |

Web Programming

| **LANGUAGE** | **DEVELOPER** | **DATE** |
| --- | --- | --- |
| Apple Script | Apple | 1993 |
| Adobe ColdFusion | J. Allaire | 1995 |
| CSS | Hakon Wium Lie, Bert Bos | 1996 |
| ECMAScript | Brendan Erich, Ecma International | 1997 |
| Curl | Steve Ward,MIT | 1998 |
| COBOL Script | Matthew Dean and Charles Schereda | 1999 |
| Coffee Script | Jeremy Ashkenas | 2009 |
| Elm | Evan Czaplicki | 2012 |

Mobile Programming

| **LANGUAGE** | **DEVELOPER** | **DATE** |
| --- | --- | --- |
| Java | Sun Micro Systems | 1995 |
| JavaFX | Sun Micro Systems | 2009 |
| Kotlin | JetBrains | 2011 |
| Dart | Lars Bak and Kasper Lund | 2011 |
| Delphi | Embarcadero Technologies | 2016 |
| DataFlex | Data Access Worldwide | 2019 |

Embedded Devices

| **LANGUAGE** | **DEVELOPER** | **DATE** |
| --- | --- | --- |
| Assembly Language |  | 1949 |
| CMS-2 | RAND, Intermetrics | 1968 |
| B | Ken Thompson | 1969 |
| Fourth | Charles H. Moore | 1970 |
| C | Dennis Ritchie and Bell Labs | 1972 |
| Verilog | Prabhu Goel, Phil Moorby and Chilai Huang and co. | 1983 |
| C++ | Bjarne Stroustrup | 1985 |
| Lua | Roberto lerusalimschy and co. | 1993 |
| GO | Robert Griesemer, Rob Pike, Ken Thompson | 2009 |
| Rust | Graydon Hoare | 2010 |

1iii)

| **Language** | **Date** | **Classification** | **Author** | **Paradigm** | **Cases** |
| --- | --- | --- | --- | --- | --- |
| RPG | 1959 | Compiled | IBM | Multi-paradigm | Business |
| JOVIAL | 1960 | Compiled | System Development Corporation | Structured | Embedded Systems |
| C | 1972 | Compiled | Dennis Ritchie | Structured | Embedded Systems |
| IDL | 1977 | Hybrid | David Sterns and ITT VIS | Vector Oriented | Science |
| C++ | 1985 | Compiled | Bjarne Stroustrup | OOP | Web Services |
| Python | 1990 | Interpreted | Guido Van Rossum | OOP | General Purpose |
| KiXtart | 1991 | Interpreted | Ruud Van Velsen | Scripting | Embedded Systems |
| Java | 1995 | Compiled | Sun Micro Systems | OOP | Mobile Applications |
| Java Script | 1995 | Compiled | Brendan Eich and co. | Event Oriented | Web Applications |
| JScript | 1996 | Interpreted | Microsoft | Scripting | Web Applications |
| Jython | 1997 | Hybrid | Python Programs | Multi-paradigm | Web Services |
| Io | 2002 | Interpreted | Steve Dekorte | OOP |  |
| Visual Basic .Net | 2002 | Compiled | Microsoft | Event Oriented | Web Applications |
| Hop | 2006 | Interpreted | Manuel Serrano | Multi-paradigm | Web applications |
| Idris | 2007 | Compiled | Edwin Brady | Functional | General Purpose |
| JavaFX | 2009 | Compiled | Sun Microsystems | Scripting | Desktop and mobile app development |
| Kojo | 2010 | Compiled | Lalit Pant | OOP | Educational |
| Kotlin | 2011 | Compiled | JetBrains | Multi-paradigm | Mobile Application |
| Julia | 2012 | Compiled | Jeff Bezanson and co. | Multi-paradigm | General Purpose |

2. Below you’ll find a chronological order of programming languages.

| **Year**  | **Name**  | **Chief developer, company**  | **Predecessor(s)**  |
| --- | --- | --- | --- |
| 1804  | [Jacquard Loom](https://en.wikipedia.org/wiki/Jacquard_Loom%22%20%5Co%20%22Jacquard%20Loom)  | [Joseph Marie Jacquard](https://en.wikipedia.org/wiki/Joseph_Marie_Jacquard%22%20%5Co%20%22Joseph%20Marie%20Jacquard)  | none (unique language)  |
| 1943–45  | [Plankalkül](https://en.wikipedia.org/wiki/Plankalk%C3%BCl%22%20%5Co%20%22Plankalk%C3%BCl) (concept)  | [Konrad Zuse](https://en.wikipedia.org/wiki/Konrad_Zuse%22%20%5Co%20%22Konrad%20Zuse)  | none (unique language)  |
| 1943–46  | [ENIAC coding system](https://en.wikipedia.org/wiki/ENIAC%22%20%5Co%20%22ENIAC)  | [John von Neumann](https://en.wikipedia.org/wiki/John_von_Neumann%22%20%5Co%20%22John%20von%20Neumann), [John Mauchly](https://en.wikipedia.org/wiki/John_Mauchly%22%20%5Co%20%22John%20Mauchly), [J. Presper Eckert](https://en.wikipedia.org/wiki/J._Presper_Eckert%22%20%5Co%20%22J.%20Presper%20Eckert), [Herman Goldstine](https://en.wikipedia.org/wiki/Herman_Goldstine%22%20%5Co%20%22Herman%20Goldstine) after [Alan Turing](https://en.wikipedia.org/wiki/Alan_Turing%22%20%5Co%20%22Alan%20Turing). The first programmers of ENIAC were [Kay McNulty](https://en.wikipedia.org/wiki/Kathleen_Antonelli%22%20%5Co%20%22Kathleen%20Antonelli), [Betty Jennings](https://en.wikipedia.org/wiki/Jean_Bartik%22%20%5Co%20%22Jean%20Bartik), [Betty Snyder](https://en.wikipedia.org/wiki/Betty_Holberton%22%20%5Co%20%22Betty%20Holberton), [Marlyn Meltzer](https://en.wikipedia.org/wiki/Marlyn_Wescoff%22%20%5Co%20%22Marlyn%20Wescoff), [Fran Bilas](https://en.wikipedia.org/wiki/Frances_Spence%22%20%5Co%20%22Frances%20Spence), and [Ruth Lichterman](https://en.wikipedia.org/wiki/Ruth_Teitelbaum%22%20%5Co%20%22Ruth%20Teitelbaum).  | none (unique language)  |
| 1946  | [ENIAC Short Code](https://en.wikipedia.org/w/index.php?title=ENIAC_Short_Code&action=edit&redlink=1" \o "ENIAC Short Code (page does not exist))  | Richard Clippinger, [John von Neumann](https://en.wikipedia.org/wiki/John_von_Neumann%22%20%5Co%20%22John%20von%20Neumann) after [Alan Turing](https://en.wikipedia.org/wiki/Alan_Turing%22%20%5Co%20%22Alan%20Turing)  | ENIAC coding system  |
| 1946  | [Von Neumann and Goldstine graphing system](https://en.wikipedia.org/w/index.php?title=Von_Neumann_and_Goldstine_graphing_system&action=edit&redlink=1" \o "Von Neumann and Goldstine graphing system (page does not exist)) (Notation)  | [John von Neumann](https://en.wikipedia.org/wiki/John_von_Neumann%22%20%5Co%20%22John%20von%20Neumann) and [Herman Goldstine](https://en.wikipedia.org/wiki/Herman_Goldstine%22%20%5Co%20%22Herman%20Goldstine)  | ENIAC coding system  |
| 1947  | [ARC Assembly](https://en.wikipedia.org/w/index.php?title=ARC_Assembly&action=edit&redlink=1" \o "ARC Assembly (page does not exist))  | [Kathleen Booth](https://en.wikipedia.org/wiki/Kathleen_Booth%22%20%5Co%20%22Kathleen%20Booth)[[1]](https://en.wikipedia.org/wiki/Timeline_of_programming_languages%22%20%5Cl%20%22cite_note-1)[[2]](https://en.wikipedia.org/wiki/Timeline_of_programming_languages%22%20%5Cl%20%22cite_note-2)  | ENIAC coding system  |
| 1948  | [CPC Coding scheme](https://en.wikipedia.org/w/index.php?title=CPC_Coding_scheme&action=edit&redlink=1" \o "CPC Coding scheme (page does not exist))  | [Howard H. Aiken](https://en.wikipedia.org/wiki/Howard_H._Aiken%22%20%5Co%20%22Howard%20H.%20Aiken)  | Analytical Engine order code  |
| 1948  | [Curry notation system](https://en.wikipedia.org/w/index.php?title=Curry_notation_system&action=edit&redlink=1" \o "Curry notation system (page does not exist))  | [Haskell Curry](https://en.wikipedia.org/wiki/Haskell_Curry%22%20%5Co%20%22Haskell%20Curry)  | ENIAC coding system  |
| 1948  | [Plankalkül](https://en.wikipedia.org/wiki/Plankalk%C3%BCl%22%20%5Co%20%22Plankalk%C3%BCl) (concept published)  | [Konrad Zuse](https://en.wikipedia.org/wiki/Konrad_Zuse%22%20%5Co%20%22Konrad%20Zuse)  | none (unique language)  |
| 1949  | [EDSAC Initial Orders](https://en.wikipedia.org/wiki/EDSAC%22%20%5Cl%20%22System_software%22%20%5Co%20%22EDSAC)  | [David Wheeler](https://en.wikipedia.org/wiki/David_Wheeler_%28computer_scientist%29%22%20%5Co%20%22David%20Wheeler%20%28computer%20scientist%29)  | ENIAC coding system  |
| 1949  | [Short Code](https://en.wikipedia.org/wiki/Short_Code_%28computer_language%29%22%20%5Co%20%22Short%20Code%20%28computer%20language%29)  | [John Mauchly](https://en.wikipedia.org/wiki/John_Mauchly%22%20%5Co%20%22John%20Mauchly) and William F. Schmitt  | ENIAC Short Code  |
| 1950  | [Short Code](https://en.wikipedia.org/wiki/Short_Code_%28computer_language%29%22%20%5Co%20%22Short%20Code%20%28computer%20language%29)  | William F. Schmidt, Albert B. Tonik,[[3]](https://en.wikipedia.org/wiki/Timeline_of_programming_languages%22%20%5Cl%20%22cite_note-3) J. R. Logan  | Brief Code  |
| 1950  | [Birkbeck Assembler](https://en.wikipedia.org/w/index.php?title=Birkbeck_Assembler&action=edit&redlink=1" \o "Birkbeck Assembler (page does not exist))  | [Kathleen Booth](https://en.wikipedia.org/wiki/Kathleen_Booth%22%20%5Co%20%22Kathleen%20Booth)  | ARC  |
| 1951  | [Superplan](https://en.wikipedia.org/wiki/Superplan%22%20%5Co%20%22Superplan)  | [Heinz Rutishauser](https://en.wikipedia.org/wiki/Heinz_Rutishauser%22%20%5Co%20%22Heinz%20Rutishauser)  | Plankalkül  |
| 1951  | [ALGAE](https://en.wikipedia.org/w/index.php?title=ALGAE&action=edit&redlink=1" \o "ALGAE (page does not exist))  | Edward A. Voorhees and Karl Balke  | none (unique language)  |
| 1951  | Intermediate Programming Language  | [Arthur Burks](https://en.wikipedia.org/wiki/Arthur_Burks%22%20%5Co%20%22Arthur%20Burks)  | Short Code  |
| 1951  | [Regional Assembly Language](https://en.wikipedia.org/w/index.php?title=Regional_Assembly_Language&action=edit&redlink=1" \o "Regional Assembly Language (page does not exist))  | [Maurice Wilkes](https://en.wikipedia.org/wiki/Maurice_Wilkes%22%20%5Co%20%22Maurice%20Wilkes)  | EDSAC  |
| 1951  | [Boehm unnamed coding system](https://en.wikipedia.org/w/index.php?title=Boehm_unnamed_coding_system&action=edit&redlink=1" \o "Boehm unnamed coding system (page does not exist))  | [Corrado Böhm](https://en.wikipedia.org/wiki/Corrado_B%C3%B6hm%22%20%5Co%20%22Corrado%20B%C3%B6hm)  | CPC Coding scheme  |
| 1951  | [Klammerausdrücke](https://en.wikipedia.org/w/index.php?title=Klammerausdr%C3%BCcke&action=edit&redlink=1" \o "Klammerausdrücke (page does not exist))  | [Konrad Zuse](https://en.wikipedia.org/wiki/Konrad_Zuse%22%20%5Co%20%22Konrad%20Zuse)  | Plankalkül  |
| 1951  | [OMNIBAC Symbolic Assembler](https://en.wikipedia.org/w/index.php?title=OMNIBAC_Symbolic_Assembler&action=edit&redlink=1" \o "OMNIBAC Symbolic Assembler (page does not exist))  | [Charles Katz](https://en.wikipedia.org/wiki/Charles_Katz%22%20%5Co%20%22Charles%20Katz)  | Short Code  |
| 1951  | [Stanislaus](https://en.wikipedia.org/w/index.php?title=Stanislaus_(programming_language)&action=edit&redlink=1" \o "Stanislaus (programming language) (page does not exist)) (Notation)  | [Fritz Bauer](https://en.wikipedia.org/wiki/Friedrich_L._Bauer%22%20%5Co%20%22Friedrich%20L.%20Bauer)  | none (unique language)  |
| 1951  | [Whirlwind assembler](https://en.wikipedia.org/w/index.php?title=Whirlwind_assembler&action=edit&redlink=1" \o "Whirlwind assembler (page does not exist))  | Charles Adams and Jack Gilmore at [MIT](https://en.wikipedia.org/wiki/Massachusetts_Institute_of_Technology%22%20%5Co%20%22Massachusetts%20Institute%20of%20Technology) [Project Whirlwind](https://en.wikipedia.org/wiki/Whirlwind_%28computer%29%22%20%5Co%20%22Whirlwind%20%28computer%29)  | EDSAC  |
| 1951  | [Rochester assembler](https://en.wikipedia.org/w/index.php?title=Rochester_assembler&action=edit&redlink=1" \o "Rochester assembler (page does not exist))  | [Nat Rochester](https://en.wikipedia.org/wiki/Nathaniel_Rochester_%28computer_scientist%29%22%20%5Co%20%22Nathaniel%20Rochester%20%28computer%20scientist%29)  | EDSAC  |
| 1951  | [Sort Merge Generator](https://en.wikipedia.org/wiki/Sort_Merge_Generator%22%20%5Co%20%22Sort%20Merge%20Generator)  | [Betty Holberton](https://en.wikipedia.org/wiki/Betty_Holberton%22%20%5Co%20%22Betty%20Holberton)  | none (unique language)  |
| 1952  | [A-0](https://en.wikipedia.org/wiki/A-0_System%22%20%5Co%20%22A-0%20System)  | [Grace Hopper](https://en.wikipedia.org/wiki/Grace_Hopper%22%20%5Co%20%22Grace%20Hopper)  | Short Code  |
| 1952  | [Glennie Autocode](https://en.wikipedia.org/wiki/Autocode%22%20%5Co%20%22Autocode)  | [Alick Glennie](https://en.wikipedia.org/wiki/Alick_Glennie%22%20%5Co%20%22Alick%20Glennie) after [Alan Turing](https://en.wikipedia.org/wiki/Alan_Turing%22%20%5Co%20%22Alan%20Turing)  | CPC Coding scheme  |
| 1952  | [Editing Generator](https://en.wikipedia.org/w/index.php?title=Editing_Generator&action=edit&redlink=1" \o "Editing Generator (page does not exist))  | Milly Koss  | SORT/MERGE  |
| 1952  | [COMPOOL](https://en.wikipedia.org/w/index.php?title=COMPOOL&action=edit&redlink=1" \o "COMPOOL (page does not exist))  | [RAND/SDC](https://en.wikipedia.org/w/index.php?title=RAND/SDC&action=edit&redlink=1" \o "RAND/SDC (page does not exist))  | none (unique language)  |
| 1953  | [Speedcoding](https://en.wikipedia.org/wiki/Speedcoding%22%20%5Co%20%22Speedcoding)  | [John W. Backus](https://en.wikipedia.org/wiki/John_Backus%22%20%5Co%20%22John%20Backus)  | none (unique language)  |
| 1953  | [READ/PRINT](https://en.wikipedia.org/w/index.php?title=READ/PRINT&action=edit&redlink=1" \o "READ/PRINT (page does not exist))  | Don Harroff, James Fishman, George Ryckman  | none (unique language)  |
| 1954  | [Laning and Zierler system](https://en.wikipedia.org/wiki/Laning_and_Zierler_system%22%20%5Co%20%22Laning%20and%20Zierler%20system)  | Laning, Zierler, Adams at [MIT](https://en.wikipedia.org/wiki/Massachusetts_Institute_of_Technology%22%20%5Co%20%22Massachusetts%20Institute%20of%20Technology) [Project Whirlwind](https://en.wikipedia.org/wiki/Whirlwind_%28computer%29%22%20%5Co%20%22Whirlwind%20%28computer%29)  | none (unique language)  |
| 1954  | [Mark I Autocode](https://en.wikipedia.org/wiki/Autocode%22%20%5Co%20%22Autocode)  | [Tony Brooker](https://en.wikipedia.org/wiki/Tony_Brooker%22%20%5Co%20%22Tony%20Brooker)  | Glennie Autocode  |
| 1954–55  | [FORTRAN](https://en.wikipedia.org/wiki/Fortran%22%20%5Co%20%22Fortran) (concept)  | Team led by [John W. Backus](https://en.wikipedia.org/wiki/John_Backus%22%20%5Co%20%22John%20Backus) at [IBM](https://en.wikipedia.org/wiki/IBM%22%20%5Co%20%22IBM)  | Speedcoding  |
| 1954  | [ARITH-MATIC](https://en.wikipedia.org/wiki/ARITH-MATIC%22%20%5Co%20%22ARITH-MATIC)  | Team led by [Grace Hopper](https://en.wikipedia.org/wiki/Grace_Hopper%22%20%5Co%20%22Grace%20Hopper) at UNIVAC  | A-0  |
| 1954  | [MATH-MATIC](https://en.wikipedia.org/wiki/MATH-MATIC%22%20%5Co%20%22MATH-MATIC)  | Team led by Charles Katz  | A-0  |
| 1954  | [MATRIX MATH](https://en.wikipedia.org/w/index.php?title=MATRIX_MATH&action=edit&redlink=1" \o "MATRIX MATH (page does not exist))  | H G Kahrimanian  | none (unique language)  |
| 1954  | [IPL I](https://en.wikipedia.org/wiki/Information_Processing_Language%22%20%5Co%20%22Information%20Processing%20Language) (concept)  | [Allen Newell](https://en.wikipedia.org/wiki/Allen_Newell%22%20%5Co%20%22Allen%20Newell), [Cliff Shaw](https://en.wikipedia.org/wiki/Cliff_Shaw%22%20%5Co%20%22Cliff%20Shaw), [Herbert A. Simon](https://en.wikipedia.org/wiki/Herbert_A._Simon%22%20%5Co%20%22Herbert%20A.%20Simon)  | none (unique language)  |
| 1955  | [FLOW-MATIC](https://en.wikipedia.org/wiki/FLOW-MATIC%22%20%5Co%20%22FLOW-MATIC)  | Team led by [Grace Hopper](https://en.wikipedia.org/wiki/Grace_Hopper%22%20%5Co%20%22Grace%20Hopper) at UNIVAC  | A-0  |
| 1955  | BACAIC  | M. Grems and R. Porter  |  |
| 1955  | [PACT I](https://en.wikipedia.org/wiki/PACT_I%22%20%5Co%20%22PACT%20I)  | [SHARE](https://en.wikipedia.org/wiki/SHARE_%28computing%29%22%20%5Co%20%22SHARE%20%28computing%29)  | FORTRAN, A-2  |
| 1955  | [Freiburger Code](https://en.wikipedia.org/w/index.php?title=Freiburger_Code&action=edit&redlink=1" \o "Freiburger Code (page does not exist))[[4]](https://en.wikipedia.org/wiki/Timeline_of_programming_languages%22%20%5Cl%20%22cite_note-4)[[5]](https://en.wikipedia.org/wiki/Timeline_of_programming_languages%22%20%5Cl%20%22cite_note-5)  | [University of Freiburg](https://en.wikipedia.org/wiki/University_of_Freiburg%22%20%5Co%20%22University%20of%20Freiburg)  | N/A  |
| 1955–56  | [Sequentielle Formelübersetzung](https://en.wikipedia.org/w/index.php?title=Sequentielle_Formel%C3%BCbersetzung&action=edit&redlink=1" \o "Sequentielle Formelübersetzung (page does not exist))  | [Fritz Bauer](https://en.wikipedia.org/wiki/Friedrich_L._Bauer%22%20%5Co%20%22Friedrich%20L.%20Bauer) and Karl Samelson  | Boehm  |
| 1955–56  | [IT](https://en.wikipedia.org/w/index.php?title=Internal_Translator&action=edit&redlink=1" \o "Internal Translator (page does not exist))  | Team led by [Alan Perlis](https://en.wikipedia.org/wiki/Alan_Perlis%22%20%5Co%20%22Alan%20Perlis)  | Laning and Zierler  |
| 1955  | PRINT  | IBM  |  |
| 1958  | [IPL II](https://en.wikipedia.org/wiki/Information_Processing_Language%22%20%5Co%20%22Information%20Processing%20Language) (implementation)  | [Allen Newell](https://en.wikipedia.org/wiki/Allen_Newell%22%20%5Co%20%22Allen%20Newell), [Cliff Shaw](https://en.wikipedia.org/wiki/Cliff_Shaw%22%20%5Co%20%22Cliff%20Shaw), [Herbert A. Simon](https://en.wikipedia.org/wiki/Herbert_A._Simon%22%20%5Co%20%22Herbert%20A.%20Simon)  | IPL I  |
| 1956–58  | [LISP](https://en.wikipedia.org/wiki/Lisp_%28programming_language%29%22%20%5Co%20%22Lisp%20%28programming%20language%29) (concept)  | [John McCarthy](https://en.wikipedia.org/wiki/John_McCarthy_%28computer_scientist%29%22%20%5Co%20%22John%20McCarthy%20%28computer%20scientist%29)  | IPL  |
| 1957  | [COMTRAN](https://en.wikipedia.org/wiki/COMTRAN%22%20%5Co%20%22COMTRAN)  | [Bob Bemer](https://en.wikipedia.org/wiki/Bob_Bemer%22%20%5Co%20%22Bob%20Bemer)  | FLOW-MATIC  |
| 1957  | [GEORGE](https://en.wikipedia.org/wiki/GEORGE_%28programming_language%29%22%20%5Co%20%22GEORGE%20%28programming%20language%29)  | [Charles Leonard Hamblin](https://en.wikipedia.org/wiki/Charles_Leonard_Hamblin%22%20%5Co%20%22Charles%20Leonard%20Hamblin)  | none (unique language)  |
| 1957  | [FORTRAN I](https://en.wikipedia.org/wiki/FORTRAN_I%22%20%5Co%20%22FORTRAN%20I) (implementation)  | [John W. Backus](https://en.wikipedia.org/wiki/John_Backus%22%20%5Co%20%22John%20Backus) at [IBM](https://en.wikipedia.org/wiki/IBM%22%20%5Co%20%22IBM)  | FORTRAN  |
| 1957–58  | UNICODE  | Remington Rand UNIVAC  | MATH-MATIC  |
| 1957  | [COMIT](https://en.wikipedia.org/wiki/COMIT%22%20%5Co%20%22COMIT) (concept)  | [Victor Yngve](https://en.wikipedia.org/wiki/Victor_Yngve%22%20%5Co%20%22Victor%20Yngve)  | none (unique language)  |
| 1958  | [FORTRAN II](https://en.wikipedia.org/wiki/Fortran%22%20%5Cl%20%22FORTRAN_II%22%20%5Co%20%22Fortran)  | Team led by [John W. Backus](https://en.wikipedia.org/wiki/John_Backus%22%20%5Co%20%22John%20Backus) at [IBM](https://en.wikipedia.org/wiki/IBM%22%20%5Co%20%22IBM)  | FORTRAN I  |
| 1958  | [ALGOL 58](https://en.wikipedia.org/wiki/ALGOL_58%22%20%5Co%20%22ALGOL%2058) (IAL)  | ACM/GAMM  | FORTRAN, IT, Sequentielle Formelübersetzung  |
| 1958  | [IPL V](https://en.wikipedia.org/wiki/Information_Processing_Language%22%20%5Co%20%22Information%20Processing%20Language)  | [Allen Newell](https://en.wikipedia.org/wiki/Allen_Newell%22%20%5Co%20%22Allen%20Newell), [Cliff Shaw](https://en.wikipedia.org/wiki/Cliff_Shaw%22%20%5Co%20%22Cliff%20Shaw), [Herbert A. Simon](https://en.wikipedia.org/wiki/Herbert_A._Simon%22%20%5Co%20%22Herbert%20A.%20Simon)  | IPL II  |
| 1959  | [APT](https://en.wikipedia.org/wiki/APT_%28programming_language%29%22%20%5Co%20%22APT%20%28programming%20language%29)  | [Douglas T. Ross](https://en.wikipedia.org/wiki/Douglas_T._Ross%22%20%5Co%20%22Douglas%20T.%20Ross)  |  |
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| 1970  | [BLISS](https://en.wikipedia.org/wiki/BLISS%22%20%5Co%20%22BLISS)  | Wulf, Russell, Habermann at [Carnegie Mellon University](https://en.wikipedia.org/wiki/Carnegie_Mellon_University%22%20%5Co%20%22Carnegie%20Mellon%20University)  | ALGOL  |
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| 1980  | [C with classes](https://en.wikipedia.org/wiki/C%2B%2B%22%20%5Co%20%22C%2B%2B)  | [Bjarne Stroustrup](https://en.wikipedia.org/wiki/Bjarne_Stroustrup%22%20%5Co%20%22Bjarne%20Stroustrup)[[9]](https://en.wikipedia.org/wiki/Timeline_of_programming_languages%22%20%5Cl%20%22cite_note-9)  | C, Simula 67  |
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| 1980  | [Apple III Microsoft BASIC](https://en.wikipedia.org/wiki/Applesoft_BASIC%22%20%5Co%20%22Applesoft%20BASIC)  | Microsoft  | Microsoft BASIC  |
| 1980–81  | [CBASIC](https://en.wikipedia.org/wiki/CBASIC%22%20%5Co%20%22CBASIC)  | [Gordon Eubanks](https://en.wikipedia.org/wiki/Gordon_Eubanks%22%20%5Co%20%22Gordon%20Eubanks)  | BASIC, Compiler Systems, Digital Research  |
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| 1981  | [IBM BASICA](https://en.wikipedia.org/wiki/IBM_BASICA%22%20%5Co%20%22IBM%20BASICA)  | [Microsoft](https://en.wikipedia.org/wiki/Microsoft%22%20%5Co%20%22Microsoft)  | BASIC  |
| 1982?  | [Speakeasy-IV](https://en.wikipedia.org/wiki/Speakeasy_%28computational_environment%29%22%20%5Co%20%22Speakeasy%20%28computational%20environment%29)  | Stanley Cohen, et al. at [Speakeasy Computing Corporation](https://en.wikipedia.org/w/index.php?title=Speakeasy_Computing_Corporation&action=edit&redlink=1" \o "Speakeasy Computing Corporation (page does not exist))  | Speakeasy-3  |
| 1982?  | [Draco](https://en.wikipedia.org/wiki/Draco_%28programming_language%29%22%20%5Co%20%22Draco%20%28programming%20language%29)  | Chris Gray  | [Pascal](https://en.wikipedia.org/wiki/Pascal_%28programming_language%29%22%20%5Co%20%22Pascal%20%28programming%20language%29), [C](https://en.wikipedia.org/wiki/C_%28programming_language%29%22%20%5Co%20%22C%20%28programming%20language%29), [ALGOL 68](https://en.wikipedia.org/wiki/ALGOL_68%22%20%5Co%20%22ALGOL%2068)  |
| 1982  | [PostScript](https://en.wikipedia.org/wiki/PostScript%22%20%5Co%20%22PostScript)  | [Warnock](https://en.wikipedia.org/wiki/John_Warnock%22%20%5Co%20%22John%20Warnock)  | [InterPress](https://en.wikipedia.org/wiki/InterPress%22%20%5Co%20%22InterPress)  |
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| 1983  | [GW-BASIC](https://en.wikipedia.org/wiki/GW-BASIC%22%20%5Co%20%22GW-BASIC)  | [Microsoft](https://en.wikipedia.org/wiki/Microsoft%22%20%5Co%20%22Microsoft)  | [IBM BASICA](https://en.wikipedia.org/wiki/IBM_BASICA%22%20%5Co%20%22IBM%20BASICA)  |
| 1983  | [Turbo Pascal](https://en.wikipedia.org/wiki/Turbo_Pascal%22%20%5Co%20%22Turbo%20Pascal)  | [Hejlsberg](https://en.wikipedia.org/wiki/Anders_Hejlsberg%22%20%5Co%20%22Anders%20Hejlsberg) at [Borland](https://en.wikipedia.org/wiki/Borland%22%20%5Co%20%22Borland)  | [Pascal](https://en.wikipedia.org/wiki/Pascal_%28programming_language%29%22%20%5Co%20%22Pascal%20%28programming%20language%29)  |
| 1983  | [Ada 83](https://en.wikipedia.org/wiki/Ada_%28programming_language%29%22%20%5Co%20%22Ada%20%28programming%20language%29) (ANSI/MIL-STD-1815A)  | [Jean Ichbiah](https://en.wikipedia.org/wiki/Jean_Ichbiah%22%20%5Co%20%22Jean%20Ichbiah) at [Alsys](https://en.wikipedia.org/wiki/Alsys%22%20%5Co%20%22Alsys)  | Ada 80, Green  |
| 1983  | [Objective-C](https://en.wikipedia.org/wiki/Objective-C%22%20%5Co%20%22Objective-C)  | [Brad Cox](https://en.wikipedia.org/wiki/Brad_Cox%22%20%5Co%20%22Brad%20Cox)  | Smalltalk, C  |
| 1983  | [C++](https://en.wikipedia.org/wiki/C%2B%2B%22%20%5Co%20%22C%2B%2B)  | [Bjarne Stroustrup](https://en.wikipedia.org/wiki/Bjarne_Stroustrup%22%20%5Co%20%22Bjarne%20Stroustrup)  | C with Classes  |
| 1983  | [True BASIC](https://en.wikipedia.org/wiki/True_BASIC%22%20%5Co%20%22True%20BASIC)  | [John George Kemeny](https://en.wikipedia.org/wiki/John_George_Kemeny%22%20%5Co%20%22John%20George%20Kemeny), [Thomas Eugene Kurtz](https://en.wikipedia.org/wiki/Thomas_Eugene_Kurtz%22%20%5Co%20%22Thomas%20Eugene%20Kurtz) at [Dartmouth College](https://en.wikipedia.org/wiki/Dartmouth_College%22%20%5Co%20%22Dartmouth%20College)  | BASIC  |
| 1983  | [occam](https://en.wikipedia.org/wiki/Occam_%28programming_language%29%22%20%5Co%20%22Occam%20%28programming%20language%29)  | [David May](https://en.wikipedia.org/wiki/David_May_%28computer_scientist%29%22%20%5Co%20%22David%20May%20%28computer%20scientist%29)  | EPL  |
| 1983?  | [ABAP](https://en.wikipedia.org/wiki/ABAP%22%20%5Co%20%22ABAP)  | [SAP AG](https://en.wikipedia.org/wiki/SAP_AG%22%20%5Co%20%22SAP%20AG)  | [COBOL](https://en.wikipedia.org/wiki/COBOL%22%20%5Co%20%22COBOL)  |
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| 1983  | [Clascal](https://en.wikipedia.org/wiki/Clascal%22%20%5Co%20%22Clascal)  | [Apple Computer Inc.](https://en.wikipedia.org/wiki/Apple_Inc.%22%20%5Co%20%22Apple%20Inc.)  | [Pascal](https://en.wikipedia.org/wiki/Pascal_%28programming_language%29%22%20%5Co%20%22Pascal%20%28programming%20language%29)  |
| 1984  | [CLIPPER](https://en.wikipedia.org/wiki/Clipper_%28programming_language%29%22%20%5Co%20%22Clipper%20%28programming%20language%29)  | [Nantucket](https://en.wikipedia.org/wiki/Nantucket%2C_Massachusetts%22%20%5Co%20%22Nantucket%2C%20Massachusetts)  | dBase  |
| 1984  | [Common Lisp](https://en.wikipedia.org/wiki/Common_Lisp%22%20%5Co%20%22Common%20Lisp)  | [Guy L. Steele, Jr.](https://en.wikipedia.org/wiki/Guy_L._Steele%2C_Jr.%22%20%5Co%20%22Guy%20L.%20Steele%2C%20Jr.) and many others  | LISP  |
| 1984  | [Coq](https://en.wikipedia.org/wiki/Coq%22%20%5Co%20%22Coq)  | [INRIA](https://en.wikipedia.org/wiki/INRIA%22%20%5Co%20%22INRIA)  |  |
| 1984  | [RPL](https://en.wikipedia.org/wiki/RPL_%28programming_language%29%22%20%5Co%20%22RPL%20%28programming%20language%29)  | [Hewlett-Packard](https://en.wikipedia.org/wiki/Hewlett-Packard%22%20%5Co%20%22Hewlett-Packard)  | [Forth](https://en.wikipedia.org/wiki/Forth_%28programming_language%29%22%20%5Co%20%22Forth%20%28programming%20language%29), [Lisp](https://en.wikipedia.org/wiki/Lisp_%28programming_language%29%22%20%5Co%20%22Lisp%20%28programming%20language%29)  |
| 1984  | [Standard ML](https://en.wikipedia.org/wiki/Standard_ML%22%20%5Co%20%22Standard%20ML)  |  | ML  |
| 1984  | [Redcode](https://en.wikipedia.org/wiki/Core_War%22%20%5Co%20%22Core%20War)  | [Alexander Dewdney](https://en.wikipedia.org/wiki/Alexander_Dewdney%22%20%5Co%20%22Alexander%20Dewdney) and [D.G. Jones](https://en.wikipedia.org/wiki/D._G._Jones%22%20%5Co%20%22D.%20G.%20Jones)  |  |
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| 1986  | [Clarion](https://en.wikipedia.org/wiki/Clarion_%28programming_language%29%22%20%5Co%20%22Clarion%20%28programming%20language%29)  | Bruce Barrington  |  |
| 1986  | [CorVision](https://en.wikipedia.org/wiki/CorVision%22%20%5Co%20%22CorVision)  | Cortex  | INFORM  |
| 1986  | [Eiffel](https://en.wikipedia.org/wiki/Eiffel_%28programming_language%29%22%20%5Co%20%22Eiffel%20%28programming%20language%29)  | [Bertrand Meyer](https://en.wikipedia.org/wiki/Bertrand_Meyer%22%20%5Co%20%22Bertrand%20Meyer)  | Simula 67, Ada  |
| 1986  | [GFA BASIC](https://en.wikipedia.org/wiki/GFA_BASIC%22%20%5Co%20%22GFA%20BASIC)  | [Frank Ostrowski](https://en.wikipedia.org/wiki/Frank_Ostrowski%22%20%5Co%20%22Frank%20Ostrowski)  | [BASIC](https://en.wikipedia.org/wiki/BASIC%22%20%5Co%20%22BASIC)  |
| 1986  | [Informix-4GL](https://en.wikipedia.org/wiki/IBM_Informix-4GL%22%20%5Co%20%22IBM%20Informix-4GL)  | [Informix](https://en.wikipedia.org/wiki/IBM_Informix%22%20%5Co%20%22IBM%20Informix)  |  |
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| 1986  | [Miranda](https://en.wikipedia.org/wiki/Miranda_%28programming_language%29%22%20%5Co%20%22Miranda%20%28programming%20language%29)  | [David Turner](https://en.wikipedia.org/wiki/David_Turner_%28computer_scientist%29%22%20%5Co%20%22David%20Turner%20%28computer%20scientist%29) at [University of Kent](https://en.wikipedia.org/wiki/University_of_Kent%22%20%5Co%20%22University%20of%20Kent)  |  |
| 1986  | [Object Pascal](https://en.wikipedia.org/wiki/Object_Pascal%22%20%5Co%20%22Object%20Pascal)  | [Apple Computer Inc.](https://en.wikipedia.org/wiki/Apple_Inc.%22%20%5Co%20%22Apple%20Inc.)  | Pascal  |
| 1986  | [PROMAL](https://en.wikipedia.org/wiki/PROMAL%22%20%5Co%20%22PROMAL)  |  | C  |
| 1986  | [Erlang](https://en.wikipedia.org/wiki/Erlang_%28programming_language%29%22%20%5Co%20%22Erlang%20%28programming%20language%29)  | Joe Armstrong and others in [Ericsson](https://en.wikipedia.org/wiki/Ericsson%22%20%5Co%20%22Ericsson)  | Prolog  |
| 1987  | [Ada ISO 8652:1987](https://en.wikipedia.org/wiki/Ada_%28programming_language%29%22%20%5Co%20%22Ada%20%28programming%20language%29)  | [ANSI/MIL-STD-1815A unchanged](https://en.wikipedia.org/w/index.php?title=ANSI/MIL-STD-1815A_unchanged&action=edit&redlink=1" \o "ANSI/MIL-STD-1815A unchanged (page does not exist))  | Ada 83  |
| 1987  | [Self](https://en.wikipedia.org/wiki/Self_%28programming_language%29%22%20%5Co%20%22Self%20%28programming%20language%29) (concept)  | [Sun Microsystems](https://en.wikipedia.org/wiki/Sun_Microsystems%22%20%5Co%20%22Sun%20Microsystems) Inc.  | Smalltalk  |
| 1987  | [occam 2](https://en.wikipedia.org/wiki/Occam_%28programming_language%29%22%20%5Co%20%22Occam%20%28programming%20language%29)  | [David May](https://en.wikipedia.org/wiki/David_May_%28computer_scientist%29%22%20%5Co%20%22David%20May%20%28computer%20scientist%29) and [INMOS](https://en.wikipedia.org/wiki/INMOS%22%20%5Co%20%22INMOS)  | [occam](https://en.wikipedia.org/wiki/Occam_%28programming_language%29%22%20%5Co%20%22Occam%20%28programming%20language%29)  |
| 1987  | [HyperTalk](https://en.wikipedia.org/wiki/HyperTalk%22%20%5Co%20%22HyperTalk)  | [Apple Computer Inc.](https://en.wikipedia.org/wiki/Apple_Inc.%22%20%5Co%20%22Apple%20Inc.)  | none (unique language)  |
| 1987  | [Perl](https://en.wikipedia.org/wiki/Perl%22%20%5Co%20%22Perl)  | [Larry Wall](https://en.wikipedia.org/wiki/Larry_Wall%22%20%5Co%20%22Larry%20Wall)  | C, sed, awk, sh  |
| 1987  | [Oberon](https://en.wikipedia.org/wiki/Oberon_%28programming_language%29%22%20%5Co%20%22Oberon%20%28programming%20language%29)  | [Niklaus Wirth](https://en.wikipedia.org/wiki/Niklaus_Wirth%22%20%5Co%20%22Niklaus%20Wirth)  | Modula-2  |
| 1987  | [Mathematica](https://en.wikipedia.org/wiki/Mathematica%22%20%5Co%20%22Mathematica) ([Wolfram Language](https://en.wikipedia.org/wiki/Wolfram_Language%22%20%5Co%20%22Wolfram%20Language))  | [Wolfram Research](https://en.wikipedia.org/wiki/Wolfram_Research%22%20%5Co%20%22Wolfram%20Research)  | none (unique language)  |
| 1987  | [Turbo Basic](https://en.wikipedia.org/wiki/Turbo_Basic%22%20%5Co%20%22Turbo%20Basic)  | Robert 'Bob' Zale  | BASIC/Z  |
| 1987  | [Clean](https://en.wikipedia.org/wiki/Clean_%28programming_language%29%22%20%5Co%20%22Clean%20%28programming%20language%29)  | Software Technology Research Group of [Radboud University Nijmegen](https://en.wikipedia.org/wiki/Radboud_University_Nijmegen%22%20%5Co%20%22Radboud%20University%20Nijmegen)  | none (unique language)  |
| 1988  | [Octave](https://en.wikipedia.org/wiki/GNU_Octave%22%20%5Co%20%22GNU%20Octave)  |  | [MATLAB](https://en.wikipedia.org/wiki/MATLAB%22%20%5Co%20%22MATLAB)  |
| 1988  | [Tcl](https://en.wikipedia.org/wiki/Tcl%22%20%5Co%20%22Tcl)  | [John Ousterhout](https://en.wikipedia.org/wiki/John_Ousterhout%22%20%5Co%20%22John%20Ousterhout)  | Awk, Lisp  |
| 1988  | [STOS BASIC](https://en.wikipedia.org/wiki/STOS_BASIC%22%20%5Co%20%22STOS%20BASIC)  | [François Lionet](https://en.wikipedia.org/wiki/Fran%C3%A7ois_Lionet%22%20%5Co%20%22Fran%C3%A7ois%20Lionet) and [Constantin Sotiropoulos](https://en.wikipedia.org/wiki/Constantin_Sotiropoulos%22%20%5Co%20%22Constantin%20Sotiropoulos)  | [BASIC](https://en.wikipedia.org/wiki/BASIC%22%20%5Co%20%22BASIC)  |
| 1988  | [Actor](https://en.wikipedia.org/wiki/Actor_%28programming_language%29%22%20%5Co%20%22Actor%20%28programming%20language%29)  | [Charles Duff, the Whitewater Group](https://en.wikipedia.org/w/index.php?title=Charles_Duff,_the_Whitewater_Group&action=edit&redlink=1" \o "Charles Duff, the Whitewater Group (page does not exist))  | [Forth, Smalltalk](https://en.wikipedia.org/w/index.php?title=Forth,_Smalltalk&action=edit&redlink=1" \o "Forth, Smalltalk (page does not exist))  |
| 1988  | [Object REXX](https://en.wikipedia.org/wiki/Object_REXX%22%20%5Co%20%22Object%20REXX)  | Simon C. Nash  | REXX, Smalltalk  |
| 1988  | [SPARK](https://en.wikipedia.org/wiki/SPARK_%28programming_language%29%22%20%5Co%20%22SPARK%20%28programming%20language%29)  | Bernard A. Carré  | Ada  |
| 1988  | [A+](https://en.wikipedia.org/wiki/A%2B_%28programming_language%29%22%20%5Co%20%22A%2B%20%28programming%20language%29)  | [Arthur Whitney](https://en.wikipedia.org/wiki/Arthur_Whitney_%28computer_scientist%29%22%20%5Co%20%22Arthur%20Whitney%20%28computer%20scientist%29)  | APL  |
| 1988  | [Hamilton C shell](https://en.wikipedia.org/wiki/Hamilton_C_shell%22%20%5Co%20%22Hamilton%20C%20shell)  | Nicole Hamilton  | [C shell](https://en.wikipedia.org/wiki/C_shell%22%20%5Co%20%22C%20shell)  |
| 1988-1989  | [C90](https://en.wikipedia.org/wiki/ANSI_C%22%20%5Co%20%22ANSI%20C)  | C90 ISO/IEC 9899:1990  |  |
| 1989  | [Turbo Pascal OOP](https://en.wikipedia.org/wiki/Turbo_Pascal%22%20%5Cl%20%22Object-oriented_programming%22%20%5Co%20%22Turbo%20Pascal)  | [Anders Hejlsberg](https://en.wikipedia.org/wiki/Anders_Hejlsberg%22%20%5Co%20%22Anders%20Hejlsberg) at [Borland](https://en.wikipedia.org/wiki/Borland%22%20%5Co%20%22Borland)  | Turbo Pascal, Object Pascal  |
| 1989  | [Modula-3](https://en.wikipedia.org/wiki/Modula-3%22%20%5Co%20%22Modula-3)  | Cardeli, et al. [DEC](https://en.wikipedia.org/wiki/Digital_Equipment_Corporation%22%20%5Co%20%22Digital%20Equipment%20Corporation) and [Olivetti](https://en.wikipedia.org/wiki/Olivetti%22%20%5Co%20%22Olivetti)  | Modula-2  |
| 1989  | [PowerBASIC](https://en.wikipedia.org/wiki/PowerBASIC%22%20%5Co%20%22PowerBASIC)  | Robert 'Bob' Zale  | Turbo Basic  |
| 1989  | [VisSim](https://en.wikipedia.org/wiki/VisSim%22%20%5Co%20%22VisSim)  | Peter Darnell, [Visual Solutions](https://en.wikipedia.org/w/index.php?title=Visual_Solutions&action=edit&redlink=1" \o "Visual Solutions (page does not exist))  |  |
| 1989  | [LPC](https://en.wikipedia.org/wiki/LPC_%28programming_language%29%22%20%5Co%20%22LPC%20%28programming%20language%29)  | [Lars Pensjö](https://en.wikipedia.org/wiki/Lars_Pensj%C3%B6%22%20%5Co%20%22Lars%20Pensj%C3%B6)  |  |
| 1989  | [Bash](https://en.wikipedia.org/wiki/Bash_%28Unix_shell%29%22%20%5Co%20%22Bash%20%28Unix%20shell%29)  | [Brian Fox](https://en.wikipedia.org/wiki/Brian_Fox_%28computer_programmer%29%22%20%5Co%20%22Brian%20Fox%20%28computer%20programmer%29)  | [Bourne shell](https://en.wikipedia.org/wiki/Bourne_shell%22%20%5Co%20%22Bourne%20shell), [C shell](https://en.wikipedia.org/wiki/C_shell%22%20%5Co%20%22C%20shell), [Korn shell](https://en.wikipedia.org/wiki/Korn_shell%22%20%5Co%20%22Korn%20shell)  |
| 1989  | [Magik](https://en.wikipedia.org/wiki/Magik_%28programming_language%29%22%20%5Co%20%22Magik%20%28programming%20language%29)  | Arthur Chance, of [Smallworld](https://en.wikipedia.org/wiki/Smallworld%22%20%5Co%20%22Smallworld) Systems Ltd  | [Smalltalk](https://en.wikipedia.org/wiki/Smalltalk%22%20%5Co%20%22Smalltalk)  |
| 1989  | [Python](https://en.wikipedia.org/wiki/Python_%28programming_language%29%22%20%5Co%20%22Python%20%28programming%20language%29)  | [Guido van Rossum](https://en.wikipedia.org/wiki/Guido_van_Rossum%22%20%5Co%20%22Guido%20van%20Rossum)  | [ABC](https://en.wikipedia.org/wiki/ABC_%28programming_language%29%22%20%5Co%20%22ABC%20%28programming%20language%29), [SETL](https://en.wikipedia.org/wiki/SETL%22%20%5Co%20%22SETL) |
| 1990  | [Sather](https://en.wikipedia.org/wiki/Sather%22%20%5Co%20%22Sather)  | [Steve Omohundro](https://en.wikipedia.org/wiki/Steve_Omohundro%22%20%5Co%20%22Steve%20Omohundro)  | [Eiffel](https://en.wikipedia.org/wiki/Eiffel_%28programming_language%29%22%20%5Co%20%22Eiffel%20%28programming%20language%29)  |
| 1990  | [AMOS BASIC](https://en.wikipedia.org/wiki/AMOS_%28programming_language%29%22%20%5Co%20%22AMOS%20%28programming%20language%29)  | [François Lionet](https://en.wikipedia.org/wiki/Fran%C3%A7ois_Lionet%22%20%5Co%20%22Fran%C3%A7ois%20Lionet) and [Constantin Sotiropoulos](https://en.wikipedia.org/wiki/Constantin_Sotiropoulos%22%20%5Co%20%22Constantin%20Sotiropoulos)  | [STOS BASIC](https://en.wikipedia.org/wiki/STOS_BASIC%22%20%5Co%20%22STOS%20BASIC)  |
| 1990  | [AMPL](https://en.wikipedia.org/wiki/AMPL%22%20%5Co%20%22AMPL)  | [Robert Fourer](https://en.wikipedia.org/wiki/Robert_Fourer%22%20%5Co%20%22Robert%20Fourer), David Gay and [Brian Kernighan](https://en.wikipedia.org/wiki/Brian_Kernighan%22%20%5Co%20%22Brian%20Kernighan) at [Bell Laboratories](https://en.wikipedia.org/wiki/Bell_Laboratories%22%20%5Co%20%22Bell%20Laboratories)  |  |
| 1990  | [Object Oberon](https://en.wikipedia.org/wiki/Object_Oberon%22%20%5Co%20%22Object%20Oberon)  | H Mössenböck, J Templ, R Griesemer  | Oberon  |
| 1990  | [J](https://en.wikipedia.org/wiki/J_%28programming_language%29%22%20%5Co%20%22J%20%28programming%20language%29)  | [Kenneth E. Iverson](https://en.wikipedia.org/wiki/Kenneth_E._Iverson%22%20%5Co%20%22Kenneth%20E.%20Iverson), [Roger Hui](https://en.wikipedia.org/wiki/Roger_Hui%22%20%5Co%20%22Roger%20Hui) at Iverson Software  | APL, FP  |
| 1990  | [Haskell](https://en.wikipedia.org/wiki/Haskell_%28programming_language%29%22%20%5Co%20%22Haskell%20%28programming%20language%29)  |  | Miranda  |
| 1990  | [EuLisp](https://en.wikipedia.org/wiki/EuLisp%22%20%5Co%20%22EuLisp)  |  | [Common Lisp](https://en.wikipedia.org/wiki/Common_Lisp%22%20%5Co%20%22Common%20Lisp), Scheme  |
| 1990  | [Z Shell](https://en.wikipedia.org/wiki/Z_shell%22%20%5Co%20%22Z%20shell) (zsh)  | Paul Falstad at [Princeton University](https://en.wikipedia.org/wiki/Princeton_University%22%20%5Co%20%22Princeton%20University)  | ksh  |
| 1991  | [GNU E](https://en.wikipedia.org/wiki/GNU_E%22%20%5Co%20%22GNU%20E)  | David J. DeWitt, Michael J. Carey  | [C++](https://en.wikipedia.org/wiki/C%2B%2B%22%20%5Co%20%22C%2B%2B)  |
| 1991  | [Oberon-2](https://en.wikipedia.org/wiki/Oberon-2_%28programming_language%29%22%20%5Co%20%22Oberon-2%20%28programming%20language%29)  | Hanspeter Mössenböck, [Wirth](https://en.wikipedia.org/wiki/Niklaus_Wirth%22%20%5Co%20%22Niklaus%20Wirth)  | Object Oberon  |
| 1991  | [Oz](https://en.wikipedia.org/wiki/Oz_%28programming_language%29%22%20%5Co%20%22Oz%20%28programming%20language%29)  | Gert Smolka and his students  | Prolog  |
| 1991  | [Q](https://en.wikipedia.org/wiki/Pure_%28programming_language%29%22%20%5Co%20%22Pure%20%28programming%20language%29)  | Albert Gräf  |  |
| 1991  | [Visual Basic](https://en.wikipedia.org/wiki/Visual_Basic%22%20%5Co%20%22Visual%20Basic)  | [Alan Cooper](https://en.wikipedia.org/wiki/Alan_Cooper%22%20%5Co%20%22Alan%20Cooper), sold to [Microsoft](https://en.wikipedia.org/wiki/Microsoft%22%20%5Co%20%22Microsoft)  | QuickBASIC  |
| 1992  | [Borland Pascal](https://en.wikipedia.org/wiki/Turbo_Pascal%22%20%5Co%20%22Turbo%20Pascal)  |  | Turbo Pascal OOP  |
| 1992  | [Dylan](https://en.wikipedia.org/wiki/Dylan_%28programming_language%29%22%20%5Co%20%22Dylan%20%28programming%20language%29)  | many people at [Apple Computer Inc.](https://en.wikipedia.org/wiki/Apple_Inc.%22%20%5Co%20%22Apple%20Inc.)  | [Common Lisp](https://en.wikipedia.org/wiki/Common_Lisp%22%20%5Co%20%22Common%20Lisp), Scheme  |
| 1992  | [S-Lang](https://en.wikipedia.org/wiki/S-Lang%22%20%5Co%20%22S-Lang)  | John E. Davis  | [PostScript](https://en.wikipedia.org/wiki/PostScript%22%20%5Co%20%22PostScript)  |
| 1993?  | [Self](https://en.wikipedia.org/wiki/Self_%28programming_language%29%22%20%5Co%20%22Self%20%28programming%20language%29) (implementation)  | [Sun Microsystems](https://en.wikipedia.org/wiki/Sun_Microsystems%22%20%5Co%20%22Sun%20Microsystems) Inc.  | Smalltalk  |
| 1993  | [Amiga E](https://en.wikipedia.org/wiki/Amiga_E%22%20%5Co%20%22Amiga%20E)  | [Wouter van Oortmerssen](https://en.wikipedia.org/w/index.php?title=Wouter_van_Oortmerssen&action=edit&redlink=1" \o "Wouter van Oortmerssen (page does not exist))  | DEX, C, Modula-2  |
| 1993  | [Brainfuck](https://en.wikipedia.org/wiki/Brainfuck%22%20%5Co%20%22Brainfuck)  | Urban Müller  | P′′  |
| 1993  | [LiveCode Transcript](https://en.wikipedia.org/wiki/Transcript_%28programming_language%29%22%20%5Co%20%22Transcript%20%28programming%20language%29)  |  | HyperTalk  |
| 1993  | [AppleScript](https://en.wikipedia.org/wiki/AppleScript%22%20%5Co%20%22AppleScript)  | [Apple Computer Inc.](https://en.wikipedia.org/wiki/Apple_Inc.%22%20%5Co%20%22Apple%20Inc.)  | HyperTalk  |
| 1993  | [K](https://en.wikipedia.org/wiki/K_%28programming_language%29%22%20%5Co%20%22K%20%28programming%20language%29)  | [Arthur Whitney](https://en.wikipedia.org/wiki/Arthur_Whitney_%28computer_scientist%29%22%20%5Co%20%22Arthur%20Whitney%20%28computer%20scientist%29)  | APL, Lisp  |
| 1993  | [Lua](https://en.wikipedia.org/wiki/Lua_%28programming_language%29%22%20%5Co%20%22Lua%20%28programming%20language%29)  | [Roberto Ierusalimschy](https://en.wikipedia.org/wiki/Roberto_Ierusalimschy%22%20%5Co%20%22Roberto%20Ierusalimschy) et al. at [Tecgraf, PUC-Rio](https://en.wikipedia.org/w/index.php?title=Tecgraf,_PUC-Rio&action=edit&redlink=1" \o "Tecgraf, PUC-Rio (page does not exist))  | Scheme, SNOBOL, Modula, CLU, C++  |
| 1993  | [R](https://en.wikipedia.org/wiki/R_%28programming_language%29%22%20%5Co%20%22R%20%28programming%20language%29)  | [Robert Gentleman](https://en.wikipedia.org/wiki/Robert_Gentleman_%28statistician%29%22%20%5Co%20%22Robert%20Gentleman%20%28statistician%29) and [Ross Ihaka](https://en.wikipedia.org/wiki/Ross_Ihaka%22%20%5Co%20%22Ross%20Ihaka)  | S  |
| 1993  | [ZPL](https://en.wikipedia.org/wiki/ZPL_%28programming_language%29%22%20%5Co%20%22ZPL%20%28programming%20language%29)  | Chamberlain et al. at [University of Washington](https://en.wikipedia.org/wiki/University_of_Washington%22%20%5Co%20%22University%20of%20Washington)  | C  |
| 1993  | [NewtonScript](https://en.wikipedia.org/wiki/NewtonScript%22%20%5Co%20%22NewtonScript)  | Walter Smith  | Self, Dylan  |
| 1993  | [Euphoria](https://en.wikipedia.org/wiki/Euphoria_%28programming_language%29%22%20%5Co%20%22Euphoria%20%28programming%20language%29)  | Robert Craig  | SNOBOL, AWK, ABC, Icon, Python  |
| 1994  | [Claire](https://en.wikipedia.org/wiki/Claire_%28programming_language%29%22%20%5Co%20%22Claire%20%28programming%20language%29)  | Yves Caseau  | Smalltalk, SETL, OPS5, Lisp, ML, C, LORE, LAURE  |
| 1994  | [ANSI Common Lisp](https://en.wikipedia.org/wiki/Common_Lisp%22%20%5Co%20%22Common%20Lisp)  |  | [Common Lisp](https://en.wikipedia.org/wiki/Common_Lisp%22%20%5Co%20%22Common%20Lisp)  |
| 1994  | [RAPID](https://en.wikipedia.org/wiki/RAPID%22%20%5Co%20%22RAPID)  | [ABB Group](https://en.wikipedia.org/wiki/ABB_Group%22%20%5Co%20%22ABB%20Group)  | ARLA  |
| 1994  | [Pike](https://en.wikipedia.org/wiki/Pike_%28programming_language%29%22%20%5Co%20%22Pike%20%28programming%20language%29)  | Fredrik Hübinette et al. at [Linköping University](https://en.wikipedia.org/wiki/Link%C3%B6ping_University%22%20%5Co%20%22Link%C3%B6ping%20University)  | [LPC](https://en.wikipedia.org/wiki/LPC_%28programming_language%29%22%20%5Co%20%22LPC%20%28programming%20language%29), C, µLPC  |
| 1994  | [ANS Forth](https://en.wikipedia.org/wiki/Forth_%28programming_language%29%22%20%5Co%20%22Forth%20%28programming%20language%29)  | [Elizabeth Rather](https://en.wikipedia.org/wiki/Elizabeth_Rather%22%20%5Co%20%22Elizabeth%20Rather), et al.  | Forth  |
| 1995  | [Ada 95](https://en.wikipedia.org/wiki/Ada_%28programming_language%29%22%20%5Co%20%22Ada%20%28programming%20language%29)  | S. Tucker Taft, et al. at Intermetrics, Inc.  | Ada 83  |
| 1995  | [Borland Delphi](https://en.wikipedia.org/wiki/CodeGear_Delphi%22%20%5Co%20%22CodeGear%20Delphi)  | [Anders Hejlsberg](https://en.wikipedia.org/wiki/Anders_Hejlsberg%22%20%5Co%20%22Anders%20Hejlsberg) at [Borland](https://en.wikipedia.org/wiki/Borland%22%20%5Co%20%22Borland)  | Borland Pascal  |
| 1995  | [ColdFusion (CFML)](https://en.wikipedia.org/wiki/ColdFusion%22%20%5Co%20%22ColdFusion)  | [Allaire](https://en.wikipedia.org/wiki/Allaire_Corporation%22%20%5Co%20%22Allaire%20Corporation)  |  |
| 1995  | [Java](https://en.wikipedia.org/wiki/Java_%28programming_language%29%22%20%5Co%20%22Java%20%28programming%20language%29)  | [James Gosling](https://en.wikipedia.org/wiki/James_Gosling%22%20%5Co%20%22James%20Gosling) at [Sun Microsystems](https://en.wikipedia.org/wiki/Sun_Microsystems%22%20%5Co%20%22Sun%20Microsystems)  | C, Simula 67, C++, Smalltalk, Ada 83, Objective-C, Mesa  |
| 1995  | [LiveScript](https://en.wikipedia.org/wiki/JavaScript%22%20%5Co%20%22JavaScript)  | [Brendan Eich](https://en.wikipedia.org/wiki/Brendan_Eich%22%20%5Co%20%22Brendan%20Eich) at [Netscape](https://en.wikipedia.org/wiki/Netscape%22%20%5Co%20%22Netscape)  | Self, C, Scheme  |
| 1995  | [Mercury](https://en.wikipedia.org/wiki/Mercury_%28programming_language%29%22%20%5Co%20%22Mercury%20%28programming%20language%29)  | [Zoltan Somogyi](https://en.wikipedia.org/wiki/Zoltan_Somogyi%22%20%5Co%20%22Zoltan%20Somogyi) at [University of Melbourne](https://en.wikipedia.org/wiki/University_of_Melbourne%22%20%5Co%20%22University%20of%20Melbourne)  | Prolog, Hope, Haskell  |
| 1995  | [PHP](https://en.wikipedia.org/wiki/PHP%22%20%5Co%20%22PHP)  | [Rasmus Lerdorf](https://en.wikipedia.org/wiki/Rasmus_Lerdorf%22%20%5Co%20%22Rasmus%20Lerdorf)  | Perl  |
| 1995  | [Ruby](https://en.wikipedia.org/wiki/Ruby_%28programming_language%29%22%20%5Co%20%22Ruby%20%28programming%20language%29)  | [Yukihiro Matsumoto](https://en.wikipedia.org/wiki/Yukihiro_Matsumoto%22%20%5Co%20%22Yukihiro%20Matsumoto)  | Smalltalk, Perl  |
| 1995  | [JavaScript](https://en.wikipedia.org/wiki/JavaScript%22%20%5Co%20%22JavaScript)  | [Brendan Eich](https://en.wikipedia.org/wiki/Brendan_Eich%22%20%5Co%20%22Brendan%20Eich) at [Netscape](https://en.wikipedia.org/wiki/Netscape%22%20%5Co%20%22Netscape)  | LiveScript  |
| 1995  | [Racket](https://en.wikipedia.org/wiki/Racket_%28programming_language%29%22%20%5Co%20%22Racket%20%28programming%20language%29)  | [Matthew Flatt](https://en.wikipedia.org/wiki/Matthew_Flatt%22%20%5Co%20%22Matthew%20Flatt) at [Rice University](https://en.wikipedia.org/wiki/Rice_University%22%20%5Co%20%22Rice%20University)  | [Scheme](https://en.wikipedia.org/wiki/Scheme_%28programming_language%29%22%20%5Co%20%22Scheme%20%28programming%20language%29), [Lisp](https://en.wikipedia.org/wiki/Lisp_%28programming_language%29%22%20%5Co%20%22Lisp%20%28programming%20language%29)  |
| 1996  | [Curl](https://en.wikipedia.org/wiki/Curl_%28programming_language%29%22%20%5Co%20%22Curl%20%28programming%20language%29)  | David Kranz, Steve Ward, Chris Terman at [MIT](https://en.wikipedia.org/wiki/Massachusetts_Institute_of_Technology%22%20%5Co%20%22Massachusetts%20Institute%20of%20Technology)  | Lisp, C++, Tcl/Tk, TeX, HTML  |
| 1996  | [Lasso](https://en.wikipedia.org/wiki/Lasso_%28programming_language%29%22%20%5Co%20%22Lasso%20%28programming%20language%29)  | [Blue World Communications Inc.](https://en.wikipedia.org/w/index.php?title=Blue_World_Communications_Inc.&action=edit&redlink=1" \o "Blue World Communications Inc. (page does not exist))  |  |
| 1996  | [Perl Data Language](https://en.wikipedia.org/wiki/Perl_Data_Language%22%20%5Co%20%22Perl%20Data%20Language) (PDL)  | [Karl Glazebrook](https://en.wikipedia.org/wiki/Karl_Glazebrook%22%20%5Co%20%22Karl%20Glazebrook), [Jarle Brinchmann](https://en.wikipedia.org/w/index.php?title=Jarle_Brinchmann&action=edit&redlink=1" \o "Jarle Brinchmann (page does not exist)), [Tuomas Lukka](https://en.wikipedia.org/w/index.php?title=Tuomas_Lukka&action=edit&redlink=1" \o "Tuomas Lukka (page does not exist)), and [Christian Soeller](https://en.wikipedia.org/w/index.php?title=Christian_Soeller&action=edit&redlink=1" \o "Christian Soeller (page does not exist))  | APL, Perl  |
| 1996  | [VBScript](https://en.wikipedia.org/wiki/VBScript%22%20%5Co%20%22VBScript)  | Microsoft  | Visual Basic  |
| 1996  | [OCaml](https://en.wikipedia.org/wiki/OCaml%22%20%5Co%20%22OCaml)  | [INRIA](https://en.wikipedia.org/wiki/INRIA%22%20%5Co%20%22INRIA)  | Caml Light, Standard ML  |
| 1996  | [NetRexx](https://en.wikipedia.org/wiki/NetRexx%22%20%5Co%20%22NetRexx)  | [Mike Cowlishaw](https://en.wikipedia.org/wiki/Mike_Cowlishaw%22%20%5Co%20%22Mike%20Cowlishaw)  | REXX  |
| 1997  | [Component Pascal](https://en.wikipedia.org/wiki/Component_Pascal%22%20%5Co%20%22Component%20Pascal)  | Oberon microsystems, Inc  | Oberon-2  |
| 1997  | [E](https://en.wikipedia.org/wiki/E_%28programming_language%29%22%20%5Co%20%22E%20%28programming%20language%29)  | [Mark S. Miller](https://en.wikipedia.org/wiki/Mark_S._Miller%22%20%5Co%20%22Mark%20S.%20Miller)  | Joule, Original-E  |
| 1997  | [Pico](https://en.wikipedia.org/wiki/Pico_%28programming_language%29%22%20%5Co%20%22Pico%20%28programming%20language%29)  | Free University of [Brussels](https://en.wikipedia.org/wiki/Brussels%22%20%5Co%20%22Brussels)  | Scheme  |
| 1997  | [Squeak](https://en.wikipedia.org/wiki/Squeak%22%20%5Co%20%22Squeak)  | [Alan Kay](https://en.wikipedia.org/wiki/Alan_Kay%22%20%5Co%20%22Alan%20Kay), et al. at [Apple Computer Inc.](https://en.wikipedia.org/wiki/Apple_Inc.%22%20%5Co%20%22Apple%20Inc.)  | Smalltalk-80, Self  |
| 1997  | [ECMAScript](https://en.wikipedia.org/wiki/ECMAScript%22%20%5Co%20%22ECMAScript)  | [ECMA](https://en.wikipedia.org/wiki/Ecma_International%22%20%5Co%20%22Ecma%20International) TC39-TG1  | JavaScript  |
| 1997  | [F-Script](https://en.wikipedia.org/wiki/F-Script_%28programming_language%29%22%20%5Co%20%22F-Script%20%28programming%20language%29)  | Philippe Mougin  | Smalltalk, APL, Objective-C  |
| 1997  | [ISLISP](https://en.wikipedia.org/wiki/ISLISP%22%20%5Co%20%22ISLISP)  | ISO Standard ISLISP  | [Common Lisp](https://en.wikipedia.org/wiki/Common_Lisp%22%20%5Co%20%22Common%20Lisp)  |
| 1997  | [Tea](https://en.wikipedia.org/wiki/Tea_%28programming_language%29%22%20%5Co%20%22Tea%20%28programming%20language%29)  | Jorge Nunes  | [Java](https://en.wikipedia.org/wiki/Java_%28programming_language%29%22%20%5Co%20%22Java%20%28programming%20language%29), [Scheme](https://en.wikipedia.org/wiki/Scheme_%28programming_language%29%22%20%5Co%20%22Scheme%20%28programming%20language%29), [Tcl](https://en.wikipedia.org/wiki/Tcl%22%20%5Co%20%22Tcl)  |
| 1997  | [REBOL](https://en.wikipedia.org/wiki/REBOL%22%20%5Co%20%22REBOL)  | [Carl Sassenrath](https://en.wikipedia.org/wiki/Carl_Sassenrath%22%20%5Co%20%22Carl%20Sassenrath), Rebol Technologies  | [Self](https://en.wikipedia.org/wiki/Self_%28programming_language%29%22%20%5Co%20%22Self%20%28programming%20language%29), [Forth](https://en.wikipedia.org/wiki/Forth_%28programming_language%29%22%20%5Co%20%22Forth%20%28programming%20language%29), [Lisp](https://en.wikipedia.org/wiki/Lisp_%28programming_language%29%22%20%5Co%20%22Lisp%20%28programming%20language%29), [Logo](https://en.wikipedia.org/wiki/Logo_%28programming_language%29%22%20%5Co%20%22Logo%20%28programming%20language%29)  |
| 1998  | [Logtalk](https://en.wikipedia.org/wiki/Logtalk%22%20%5Co%20%22Logtalk)  | Paulo Moura (then at [University of Coimbra](https://en.wikipedia.org/wiki/University_of_Coimbra%22%20%5Co%20%22University%20of%20Coimbra))  | Prolog  |
| 1998  | [ActionScript](https://en.wikipedia.org/wiki/ActionScript%22%20%5Co%20%22ActionScript)  | [Gary Grossman](https://en.wikipedia.org/wiki/Gary_Grossman%22%20%5Co%20%22Gary%20Grossman)  | ECMAScript  |
| 1998  | [Standard C++](https://en.wikipedia.org/wiki/C%2B%2B%22%20%5Co%20%22C%2B%2B)  | ANSI/ISO Standard C++  | C++, Standard C, C  |
| 1998  | [M2001](https://en.wikipedia.org/wiki/M2001%22%20%5Co%20%22M2001)  | Ronald E. Prather, [Trinity University (Texas)](https://en.wikipedia.org/wiki/Trinity_University_%28Texas%29%22%20%5Co%20%22Trinity%20University%20%28Texas%29)  | none (unique language)  |
| 1998  | [Pikt](https://en.wikipedia.org/w/index.php?title=PIKT&action=edit&redlink=1" \o "PIKT (page does not exist))  | Robert Osterlund (then at [University of Chicago](https://en.wikipedia.org/wiki/University_of_Chicago%22%20%5Co%20%22University%20of%20Chicago))  | AWK, Perl, Unix shell  |
| 1998  | [PureBasic](https://en.wikipedia.org/wiki/PureBasic%22%20%5Co%20%22PureBasic)  | Frederic Laboureur, Fantaisie Software  |  |
| 1998  | [UnrealScript](https://en.wikipedia.org/wiki/UnrealScript%22%20%5Co%20%22UnrealScript)  | [Tim Sweeney](https://en.wikipedia.org/wiki/Tim_Sweeney_%28game_developer%29%22%20%5Co%20%22Tim%20Sweeney%20%28game%20developer%29) at [Epic Games](https://en.wikipedia.org/wiki/Epic_Games%22%20%5Co%20%22Epic%20Games)  | C++, Java  |
| 1998  | [XSLT](https://en.wikipedia.org/wiki/XSL_Transformations%22%20%5Co%20%22XSL%20Transformations) (+ [XPath](https://en.wikipedia.org/wiki/XPath%22%20%5Co%20%22XPath))  | [W3C](https://en.wikipedia.org/wiki/World_Wide_Web_Consortium%22%20%5Co%20%22World%20Wide%20Web%20Consortium), [James Clark](https://en.wikipedia.org/wiki/James_Clark_%28XML_expert%29%22%20%5Co%20%22James%20Clark%20%28XML%20expert%29)  | [DSSSL](https://en.wikipedia.org/wiki/Document_Style_Semantics_and_Specification_Language%22%20%5Co%20%22Document%20Style%20Semantics%20and%20Specification%20Language)  |
| 1998  | [Xojo](https://en.wikipedia.org/wiki/Xojo%22%20%5Co%20%22Xojo) (REALbasic at the time)  | Xojo, Inc., Andrew Barry  | Visual Basic  |
| 1999  | [C99](https://en.wikipedia.org/wiki/C99%22%20%5Co%20%22C99)  | C99 ISO/IEC 9899:1999  |  |
| 1999  | [Gambas](https://en.wikipedia.org/wiki/Gambas%22%20%5Co%20%22Gambas)  | [Benoît Minisini](https://en.wikipedia.org/wiki/Beno%C3%AEt_Minisini%22%20%5Co%20%22Beno%C3%AEt%20Minisini)  | [Visual Basic](https://en.wikipedia.org/wiki/Visual_Basic%22%20%5Co%20%22Visual%20Basic), [Java](https://en.wikipedia.org/wiki/Java_%28programming_language%29%22%20%5Co%20%22Java%20%28programming%20language%29)  |
| 1999  | [Game Maker Language](https://en.wikipedia.org/wiki/Game_Maker_Language%22%20%5Co%20%22Game%20Maker%20Language) (GML)  | [Mark Overmars](https://en.wikipedia.org/wiki/Mark_Overmars%22%20%5Co%20%22Mark%20Overmars)  | [Game Maker](https://en.wikipedia.org/wiki/GameMaker%3A_Studio%22%20%5Co%20%22GameMaker%3A%20Studio)  |
| 1999  | [Harbour](https://en.wikipedia.org/wiki/Harbour_%28software%29%22%20%5Co%20%22Harbour%20%28software%29)  | Antonio Linares  | [dBase](https://en.wikipedia.org/wiki/DBase%22%20%5Co%20%22DBase) |
| 2000  | [Join Java](https://en.wikipedia.org/wiki/Join_Java%22%20%5Co%20%22Join%20Java)  | G Stewart von Itzstein  | Java  |
| 2000  | [DarkBasic](https://en.wikipedia.org/wiki/DarkBASIC%22%20%5Co%20%22DarkBASIC)  | [The Game Creators](https://en.wikipedia.org/wiki/The_Game_Creators%22%20%5Co%20%22The%20Game%20Creators)  |  |
| 2000  | [C#](https://en.wikipedia.org/wiki/C_Sharp_%28programming_language%29%22%20%5Co%20%22C%20Sharp%20%28programming%20language%29)  | [Anders Hejlsberg](https://en.wikipedia.org/wiki/Anders_Hejlsberg%22%20%5Co%20%22Anders%20Hejlsberg), [Microsoft](https://en.wikipedia.org/wiki/Microsoft%22%20%5Co%20%22Microsoft) ([ECMA](https://en.wikipedia.org/wiki/Ecma_International%22%20%5Co%20%22Ecma%20International))  | C, C++, Java, Delphi, Modula-2  |
| 2001  | [Joy](https://en.wikipedia.org/wiki/Joy_%28programming_language%29%22%20%5Co%20%22Joy%20%28programming%20language%29)  | Manfred von Thun  | FP, Forth  |
| 2001  | [AspectJ](https://en.wikipedia.org/wiki/AspectJ%22%20%5Co%20%22AspectJ)  | [Gregor Kiczales](https://en.wikipedia.org/wiki/Gregor_Kiczales%22%20%5Co%20%22Gregor%20Kiczales), [Xerox PARC](https://en.wikipedia.org/wiki/PARC_%28company%29%22%20%5Co%20%22PARC%20%28company%29)  | Java, Common Lisp  |
| 2001  | [D](https://en.wikipedia.org/wiki/D_%28programming_language%29%22%20%5Co%20%22D%20%28programming%20language%29)  | [Walter Bright](https://en.wikipedia.org/wiki/Walter_Bright%22%20%5Co%20%22Walter%20Bright), Digital Mars  | C, C++, C#, Java  |
| 2001  | [Processing](https://en.wikipedia.org/wiki/Processing_%28programming_language%29%22%20%5Co%20%22Processing%20%28programming%20language%29)  | [Casey Reas](https://en.wikipedia.org/wiki/Casey_Reas%22%20%5Co%20%22Casey%20Reas) and [Benjamin Fry](https://en.wikipedia.org/wiki/Benjamin_Fry%22%20%5Co%20%22Benjamin%20Fry)  | [Java](https://en.wikipedia.org/wiki/Java_%28programming_language%29%22%20%5Co%20%22Java%20%28programming%20language%29), [C](https://en.wikipedia.org/wiki/C_%28programming_language%29%22%20%5Co%20%22C%20%28programming%20language%29), [C++](https://en.wikipedia.org/wiki/C%2B%2B%22%20%5Co%20%22C%2B%2B)[[10]](https://en.wikipedia.org/wiki/Timeline_of_programming_languages%22%20%5Cl%20%22cite_note-10)  |
| 2001  | [Visual Basic .NET](https://en.wikipedia.org/wiki/Visual_Basic_.NET%22%20%5Co%20%22Visual%20Basic%20.NET)  | [Microsoft](https://en.wikipedia.org/wiki/Microsoft%22%20%5Co%20%22Microsoft)  | Visual Basic  |
| 2001  | [GDScript](https://en.wikipedia.org/wiki/GDScript%22%20%5Co%20%22GDScript) (GDS)  | [OKAM Studio](https://en.wikipedia.org/w/index.php?title=OKAM_Studio&action=edit&redlink=1" \o "OKAM Studio (page does not exist))  | [Godot](https://en.wikipedia.org/wiki/Godot_%28game_engine%29%22%20%5Co%20%22Godot%20%28game%20engine%29)  |
| 2001  | [Shakespeare Programming Language](https://en.wikipedia.org/wiki/Shakespeare_Programming_Language%22%20%5Co%20%22Shakespeare%20Programming%20Language)  | Jon Åslund and Karl Hasselström.  |  |
| 2002  | [Io](https://en.wikipedia.org/wiki/Io_%28programming_language%29%22%20%5Co%20%22Io%20%28programming%20language%29)  | Steve Dekorte  | Self, NewtonScript, Lua  |
| 2002  | [Gosu](https://en.wikipedia.org/wiki/Gosu_%28programming_language%29%22%20%5Co%20%22Gosu%20%28programming%20language%29)  | Guidewire Software  | GScript  |
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| 2012  | [Julia](https://en.wikipedia.org/wiki/Julia_%28programming_language%29%22%20%5Co%20%22Julia%20%28programming%20language%29)  | [Jeff Bezanson](https://en.wikipedia.org/wiki/Jeff_Bezanson%22%20%5Co%20%22Jeff%20Bezanson), [Stefan Karpinski](https://en.wikipedia.org/wiki/Stefan_Karpinski%22%20%5Co%20%22Stefan%20Karpinski), Viral Shah, [Alan Edelman](https://en.wikipedia.org/wiki/Alan_Edelman%22%20%5Co%20%22Alan%20Edelman), [MIT](https://en.wikipedia.org/wiki/Massachusetts_Institute_of_Technology%22%20%5Co%20%22Massachusetts%20Institute%20of%20Technology)  | [MATLAB](https://en.wikipedia.org/wiki/MATLAB%22%20%5Co%20%22MATLAB), [Lisp](https://en.wikipedia.org/wiki/Lisp_%28programming_language%29%22%20%5Co%20%22Lisp%20%28programming%20language%29), [C](https://en.wikipedia.org/wiki/C_%28programming_language%29%22%20%5Co%20%22C%20%28programming%20language%29), [Fortran](https://en.wikipedia.org/wiki/Fortran%22%20%5Co%20%22Fortran), [Mathematica](https://en.wikipedia.org/wiki/Mathematica%22%20%5Co%20%22Mathematica)[[11]](https://en.wikipedia.org/wiki/Timeline_of_programming_languages%22%20%5Cl%20%22cite_note-11) (strictly its [Wolfram Language](https://en.wikipedia.org/wiki/Wolfram_Language%22%20%5Co%20%22Wolfram%20Language)), [Python](https://en.wikipedia.org/wiki/Python_%28programming_language%29%22%20%5Co%20%22Python%20%28programming%20language%29), [Perl](https://en.wikipedia.org/wiki/Perl%22%20%5Co%20%22Perl), [R](https://en.wikipedia.org/wiki/R_%28programming_language%29%22%20%5Co%20%22R%20%28programming%20language%29), [Ruby](https://en.wikipedia.org/wiki/Ruby_%28programming_language%29%22%20%5Co%20%22Ruby%20%28programming%20language%29), [Lua](https://en.wikipedia.org/wiki/Lua_%28programming_language%29%22%20%5Co%20%22Lua%20%28programming%20language%29)[[12]](https://en.wikipedia.org/wiki/Timeline_of_programming_languages%22%20%5Cl%20%22cite_note-12)  |
| 2012  | [P](https://en.wikipedia.org/wiki/P_%28programming_language%29%22%20%5Co%20%22P%20%28programming%20language%29)  | Vivek Gupta, [Ethan Jackson](https://en.wikipedia.org/w/index.php?title=Ethan_Jackson&action=edit&redlink=1" \o "Ethan Jackson (page does not exist)), [Shaz Qadeer](https://en.wikipedia.org/w/index.php?title=Shaz_Qadeer&action=edit&redlink=1" \o "Shaz Qadeer (page does not exist)), [Sriram Rajamani](https://en.wikipedia.org/w/index.php?title=Sriram_Rajamani&action=edit&redlink=1" \o "Sriram Rajamani (page does not exist)), [Microsoft](https://en.wikipedia.org/wiki/Microsoft%22%20%5Co%20%22Microsoft)  |  |
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| 2013  | [PureScript](https://en.wikipedia.org/wiki/PureScript%22%20%5Co%20%22PureScript)  | Phil Freeman  | [Haskell](https://en.wikipedia.org/wiki/Haskell_%28programming_language%29%22%20%5Co%20%22Haskell%20%28programming%20language%29)  |
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| 2013  | [Cuneiform](https://en.wikipedia.org/wiki/Cuneiform_%28programming_language%29%22%20%5Co%20%22Cuneiform%20%28programming%20language%29)  | Jörgen Brandt  | [Swift (parallel scripting language)](https://en.wikipedia.org/wiki/Swift_%28parallel_scripting_language%29%22%20%5Co%20%22Swift%20%28parallel%20scripting%20language%29)  |
| 2014  | [Crystal](https://en.wikipedia.org/wiki/Crystal_%28programming_language%29%22%20%5Co%20%22Crystal%20%28programming%20language%29)  | Ary Borenszweig, Manas Technology Solutions  | [Ruby](https://en.wikipedia.org/wiki/Ruby_%28programming_language%29%22%20%5Co%20%22Ruby%20%28programming%20language%29), [C](https://en.wikipedia.org/wiki/C_%28programming_language%29%22%20%5Co%20%22C%20%28programming%20language%29), [Rust](https://en.wikipedia.org/wiki/Rust_%28programming_language%29%22%20%5Co%20%22Rust%20%28programming%20language%29), [Go](https://en.wikipedia.org/wiki/Go_%28programming_language%29%22%20%5Co%20%22Go%20%28programming%20language%29), [C#](https://en.wikipedia.org/wiki/C_Sharp_%28programming_language%29%22%20%5Co%20%22C%20Sharp%20%28programming%20language%29), [Python](https://en.wikipedia.org/wiki/Python_%28programming_language%29%22%20%5Co%20%22Python%20%28programming%20language%29)  |
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| 2015  | [MakeCode](https://en.wikipedia.org/w/index.php?title=MakeCode&action=edit&redlink=1" \o "MakeCode (page does not exist))  | [Microsoft](https://en.wikipedia.org/wiki/Microsoft%22%20%5Co%20%22Microsoft)  | [TypeScript](https://en.wikipedia.org/wiki/TypeScript%22%20%5Co%20%22TypeScript)  |
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| 2017  | [C++17](https://en.wikipedia.org/wiki/C%2B%2B17%22%20%5Co%20%22C%2B%2B17)  | C++ ISO/IEC 14882:2017  | [C++](https://en.wikipedia.org/wiki/C%2B%2B%22%20%5Co%20%22C%2B%2B), Standard C, [C](https://en.wikipedia.org/wiki/C_%28programming_language%29%22%20%5Co%20%22C%20%28programming%20language%29)  |
| 2017  | [Ballerina](https://en.wikipedia.org/wiki/Ballerina_%28programming_language%29%22%20%5Co%20%22Ballerina%20%28programming%20language%29)  | [WSO2](https://en.wikipedia.org/wiki/WSO2%22%20%5Co%20%22WSO2), Open Source[[14]](https://en.wikipedia.org/wiki/Timeline_of_programming_languages%22%20%5Cl%20%22cite_note-14)  | [Java](https://en.wikipedia.org/wiki/Java_%28programming_language%29%22%20%5Co%20%22Java%20%28programming%20language%29), [Javascript](https://en.wikipedia.org/wiki/Javascript_%28programming_language%29%22%20%5Co%20%22Javascript%20%28programming%20language%29), [Go](https://en.wikipedia.org/wiki/Go_%28programming_language%29%22%20%5Co%20%22Go%20%28programming%20language%29), [Rust](https://en.wikipedia.org/wiki/Rust_%28programming_language%29%22%20%5Co%20%22Rust%20%28programming%20language%29), [C#](https://en.wikipedia.org/wiki/C_Sharp_%28programming_language%29%22%20%5Co%20%22C%20Sharp%20%28programming%20language%29)  |
| 2018  | [C18](https://en.wikipedia.org/wiki/C18_%28C_standard_revision%29%22%20%5Co%20%22C18%20%28C%20standard%20revision%29)  | C18 ISO/IEC 9899:2018  |  |
| 2018  | [Fortran 2018](https://en.wikipedia.org/wiki/Fortran%22%20%5Cl%20%22Fortran_2018%22%20%5Co%20%22Fortran)  | ISO/IEC JTC1/SC22/WG5 N2150:2018  | [Fortran 2008](https://en.wikipedia.org/wiki/Fortran%22%20%5Cl%20%22Fortran_2008%22%20%5Co%20%22Fortran)  |
| 2019  | [Bosque](https://en.wikipedia.org/wiki/Bosque_%28programming_language%29%22%20%5Co%20%22Bosque%20%28programming%20language%29)  | Mark Marron, [Microsoft](https://en.wikipedia.org/wiki/Microsoft%22%20%5Co%20%22Microsoft)  | [JavaScript](https://en.wikipedia.org/wiki/JavaScript%22%20%5Co%20%22JavaScript), [TypeScript](https://en.wikipedia.org/wiki/TypeScript%22%20%5Co%20%22TypeScript), [ML](https://en.wikipedia.org/wiki/ML_%28programming_language%29) |

3. An object-oriented program usually contains different types of objects, each corresponding to a particular kind of complex data to manage, or perhaps to a real-world object or concept such as a bank account, a hockey player, or a bulldozer. Modular programming (also called "top-down design" and "stepwise refinement") is a software design technique that emphasizes separating the functionality of a program into independent, interchangeable modules, such that each contains everything necessary to execute only one aspect of the desired functionality.