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1.

The most general term for a software code converting tool is ‘translator’. A translator in software programming terms refer to a compiler, assembler or interpreter. Anything that converts higher level code into another high-level code eg. Basic, C++, Fortran, Java or lower level i.e a language that the processor can understand such as assembly language or machine code.

2.

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| Interpreter  | Compiler  | Assembler |
| Software that translates a high level language program into machine language | Software that converts programs written in high level language program into machine language | Software that converts programs written in assembly language into machine language  |
| Converts the high level language program to machine language line by line | Converts the whole high level language program to machine language at a time | Converts assembly language program to machine language |
| Used by Ruby, Perl, Python, PHP | Used by C,C++ | Used by assembly language |
| Interpreter takes less time to analyze the source code but the overall execution time of the program is slower | Compiler takes large amount of time to analyze the entire source code but the overall execution time of the program is comparatively faster | Runs quickly as conversation between two low level languages is just reliant on the processors instruction set |
| Displays error of each line one by one | Display errors after compilation, all at the same time | Assembler checks each instruction for its correctness and generates diagnostic messages, if there are mistakes in the programs |

3.

Because high level languages unlike low level languages which are made up of 1s and 0s is more user-friendly therefore making it easier to read, write and understand by humans. Generally the aim of high level language is to make it possible for humans to write less error prone codes.