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* **COURSE CODE: CSC310**
* **COURSE TITLE: Computer Architecture and Organisation II**

**ASSIGNMENT**

High level language Assembly language Machine language

- Strong abstraction with the computer language

- Intermediate abstraction with the computer language

- No level of abstraction with the computer language

- It uses compiler as well as interpreter to convert instruction into machine code

- It uses the assembler to convert instruction into machine code

- It does not make use of compiler, interpreters and assembler because it does not need to be converted

- It is a readable and machine friendly language that can easily be interpreted and executed

- It is also a kind of low level language which is not easily readable until you know their syntax

- Machine language is in the form of 0’s and 1’s(binary format) and therefore cannot be memorized or read

- slow execution of programs

- Faster execution of programs

- It is considered to have the fastest execution time among the 3

- It has no correspondence with the hardware and used only to write software application programs

- it is closely related to hardware and hence used to write hardware programs such as low-level embedded systems, real-time systems etc

- CDs, DVDs and Blu-ray Discs represent an application of binary form

- Modification here is not that tough

- Modification here is quite tough compared to high-level languages

- Modification is not possible. It has to be written from scratch for a specific type of CPU