

Tutorial No:01

1. Computer only understand the inputs of 1 and 0 called binaries .Its very difficult to communicate with computers using 1 and 0 to the human. Therefore computer languages provide bridge to communicate human with computer using human readable language.
2. a) Source codes are written in human readable language while machine codes are written in sequence of 1s and 0s

Source codes are converted to binary in order to understand by the computer using IDEs.While machine codes can directly understand by the computer.

3. b) High level languages are more closer to the human and can easily read and understand by the human.Low level languages are more comlex and very difficult to read and understand by the human and more closer to the hardware of the computer. And also can directly understand by the computer.
4. Compilers translate entire source code to the low level language or to the binary at once before execution.While interpreters exceute line by line.
5. Object oriented languages are creation of object and enable code to reuse a real-world concepts while structured languages are focus on breaking down code into procedures and controlling the flow of execution.
6. C is a structured programming language and C++ is a object-oriented programming language.
7. C++ is a colpiler language while Java is a interpreter and compiler language.
8. Logical errors are due to fault is argument in the program and Syntax errors are due to faults in the syntax in the written code.