**Day 1 Assignment**

**Q1.Mention the Difference between interpreter and compiler**

**What is Compiler**

A compiler is a computer program that transforms code written in a high-level programming language into the machine code. It is a program which translates the human-readable code to a language a computer machine understands (binary 1 and 0 bits).

A compiler **converts complete source code** into machine code at once. And finally, your program get executes.

**What is interpreter**

An interpreter is also a software program that translates a source code into a machine language. However, an interpreter converts high-level programming language into machine language **line-by-line** while interpreting and running the program.

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| **Interpreter**  **1. converts complete source code**at ones  2. interpreter slower compare to compiler  3. interpreter displays all line-by-line error | **Compiler**  **1. converts complete source code**at line-by-line  2.compiler faster compare to interpreter  3. compiler displays all the error after compilation |