

# Assignment Submission

## DAY - 1

### 1. Mention the difference between interpreter and compiler.

**Answer:**

Interpreter	Compiler
1. As the source code is interpreted line-by-line, error detection and correction become easy.	1. As the source code is already converted into machine code, the code execution time becomes short.
2. Interpreted programs can run on only those computers which have the same interpreter.	2. If you want to change your program for any reason, either by error or logical changes, you can do it only by going back to your source code.
3. An interpreter translates one statement of programming code at a time into machine code.	3. A compiler translates complete high-level programming code into machine code at once.
4. It never stores the machine code at all on the disk.	4. It stores the converted machine code from your source code program on the disk.
5. An interpreter takes less time to analyze source code as compared to a compiler. However, overall interpreted programming code runs slower as compared to the compiler.	5. A compiler takes an enormous time to analyze source code. However, overall compiled programming code runs faster as compared to an interpreter.

### 2. Define a class Student with following members:

int roll, String name, float marks.

Input() to take input of the details

display() to all details of a student

**Answer:**

A class is created using the class keyword. `class Student { String name; int roll_no; }` In the above declaration, Student is the name of a class. In other words, Student is a class. In the body of the class, the attributes name and roll\_no are defined.

