Assignment-1

1) Difference between Compiler & Interpreter.

Ans:-

Compiler	Interpreter.
It generates intermediate code which are called as object code or machine code.	It doesnt generate any intermediate code.
It works on the complete program at once	It works on the program line to line.
It takes less time for execution	It takes more time for execution.
Compiler debugs slow	Interpreter debugs fast.
Errors are displayed after entire program is checked.	Errors are displayed for every instruction
Programming languages like C, C++ which uses Compiler	Programming languages like Python, Ruby uses Interpreter.

2) Define a class student with following members:

int roll, String name, float marks

input( ) to take input of details

display( ) to all details of a student

Write a program to which will store details of a student & print the details using the above class.

Ans:-

```
class student details {
int r;
string name;
float s1;
float s2;
float s3;
}

public class student
{
public static void main (string [ ]args);
studentdetails ob = new studentdetails ();
System.out.println("enter roll no.");
r = ob.nextIt()
System.out.println("enter student name");
name = ob.nextIt();
System.out.println("enter marks of s1");
s1=ob.nextIt();
System.out.println("enter marks of s2");
s2=ob.nextIt();
System.out.println("enter marks of s3");
s3 = ob.nextIt();
{ ~~System~~.
public void display()
{
System.out.println("rollno"+roll "+\n name
+name "+\n s1"+s1 "+\n s2"+s2 "\n s3"+s3);

ob s = new;
s.display();
}
}
}
```

Output:-

enter roll no. 5

enter student name Tanuja

enter marks of S1 96

enter marks of S2 98

enter marks of S3 93