* Assignment for Day 1 Java Programming *

Q1. Mention the difference between interpreter and compiler

No	Interpreter	Compiler
①	It takes a single line of code or instruction at a time.	It takes an entire program at a time.
②	It does not produce any intermediate object code	It generates intermediate object code.
③	Compilation and execution take place simultaneously.	The compilation is done before execution
④	It requires less memory as it does not create intermediate object code	Memory requirement is more due to the creation of object code.
⑤	Displays error of each line one by one.	Display all errors after compilation, all at the same time.
⑥	Error Detection easier comparatively	Error Detection Difficult
⑦	Speed is slower	Speed comparatively faster.

Q.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.
Write a Program to which will store details of a
student and print the details using the above class.

→

```java
class Student
{
    int roll;
    String name;
    float marks;

    void input (int r, String n, float m)
    {
        roll = r;
        name = n;
        marks = m;
    }

    void display()
    {
        System.out.println (" Roll No : " + rollno);
        System.out.println (" Name : " + name);
        System.out.println (" Marks : " + marks);
    }
}

class TestStudent
{
    public static void main( String args[])
```

```
{
    Studrnt S1 = new  Student();
    S1. input( 11, " Rum", 70.15);
    S1. display();
    Studrnt S2 = new  Student();
    S2. input( 22, "Shum", 86.30);
    S2. display();
}
}
```