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Day 1 Assignment

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

* The main difference between Interpreter and Compiler: Interpreter translates one statement of the program at a time and converts it into machine code and compiler scans the whole program at once and converts the whole into its machine code.

Example of interpreter: MATLAB, Python etc.

Example of compiler: C, C++ etc.

**Q2. 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.**

import java.util.Scanner;

public class Main

{

public static void main(String[] args) {

int roll;

String name;

float mark;

Scanner sc = new Scanner(System.in);

roll = sc.nextInt(); //input from user

name = sc.next();

mark = sc.nextFloat();

Student obj = new Student(roll,name,mark);

obj.display();

}

}

class Student

{

int roll;

String name;

float marks;

Student(int r, String s, float m){ //use constructor to initialize variables

roll = r;

name = s;

marks = m;

}

void display(){

System.out.println("Roll No: "+ roll);

System.out.println("Name of the student: "+ name);

System.out.println("Marks obtained: "+ marks);

}

}

Output:



