**Assignment 04**

Create a class Student with following members:

1) Instance variable : String name, result; double eng, math, science, tmarks, per

2) Constructor : Student(String, double, double, double)

3) methods : void setData(String, double, double, double), void calcResult(), void showResult()

package com.company;  
  
import java.util.Scanner;  
  
class Student {  
 //Instance variable  
 String name, result;  
 double eng, math, science, tmarks, per;  
  
 //Constructor  
 Student() {  
 }  
  
 Student(String n, double e, double m, double s) {  
 name = n;  
 eng = e;  
 math = m;  
 science = s;  
 }  
  
 //Methods  
 void setData(String n, double e, double m, double s) {  
 name = n;  
 eng = e;  
 math = m;  
 science = s;  
 }  
  
 void calcResult() {  
 tmarks = eng + math + science;  
 per = ((tmarks / 300) \* 100);  
 if (100 >= per && 80 <= per)  
 result = "1st Division";  
 if (80 > per && 60 <= per)  
 result = "2nd ";  
 if (60 > per && 40 <= per)  
 result = "3rd Dion";  
 if (per < 40)  
 result = "Fail";  
 }  
  
 void showResult() {  
 System.*out*.println("Total marks " + tmarks);  
 System.*out*.println("Percentage : " + per + "%");  
 System.*out*.println("Result : " + result);  
 }  
}  
  
public class Assignment\_04 {  
 public static void main(String[] args)  
 {  
 Student s1 = new Student("Dipanshu", 90,90,78);  
 s1.calcResult();  
 s1.showResult();  
 Scanner s = new Scanner(System.*in*);  
 System.*out*.print("Enter student's name and marks(english ,maths, science)");  
 String name = s.next();  
 Double eng = s.nextDouble();  
 Double math = s.nextDouble();  
 Double sci = s.nextDouble();  
 Student s2 = new Student();  
 s2.setData(name,eng,math,sci);  
 s2.calcResult();  
 s2.showResult();  
 }  
 }