**Name: Merlin Moncy**

**Roll No:21**

**Batch:MCA-B**

**Date:18-05-2022**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 13**

**Aim**

Create classes Student and Sports. Create another class Result inherited from Student and Sports. Display the academic and sports score of a student

**Procedure**

import java.util.\*;

class Student

{

int rno,m1,m2,m3;

public Student(int rno,int m1,int m2,int m3)

{

this.rno=rno;

this.m1=m1;

this.m2=m2;

this.m3=m3;

}

}

class Sports extends Student

{

int score;

public Sports(int rno,int m1,int m2,int m3,int score)

{

super(rno,m1,m2,m3);

this.score=score;

}

}

class Result extends Sports

{

public Result(int rno,int m1,int m2,int m3,int score)

{

super(rno,m1,m2,m3,score);

}

public int calc(int m1,int m2,int m3,int score)

{

int total=0;

total=total+m1+m2+m3+score;

return total;

}

void display()

{

System.out.println("Roll no=" +rno);

System.out.println("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

System.out.println(" English \t Maths \t Computer \t Sports Score");

System.out.println(m1 +"\t\t"+ m2 +"\t\t" +m3 +"\t\t"+ score);

System.out.println("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

}

}

public class MarkList

{

public static void main(String args[])

{ int Total,rno,m1,m2,m3,score;

Scanner in=new Scanner(System.in);

System.out.println("Enter the Rollno=");

rno=in.nextInt();

System.out.println("Enter the English marks=");

m1=in.nextInt();

System.out.println("Enter the Maths marks=");

m2=in.nextInt();

System.out.println("Enter the ComputerScience marks=");

m3=in.nextInt();

System.out.println("enter the sports score=");

score=in.nextInt();

Result r=new Result(rno,m1,m2,m3,score);

Total=r.calc(m1,m2,m3,score);

r.display();

System.out.println("\t\t\t\t Final Result=" +Total);

}

}

**Output Screenshot**

