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**Batch:S2 RMCA-B**

**Date:18/05/2022**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 14**

**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.Scanner;

class Sports{

String sport;

int Rating;

Sports(String spo, int ra){

sport = spo;

Rating = ra;

}

}

class Student extends Sports{

String Grade;

double Overall\_per;

Student(String spo, int ra,String gd, double per ){

super(spo, ra);

Grade = gd;

Overall\_per = per;

}

}

public class Result extends Student {

Result(String spo, int ra,String gd, double per ){

super(spo, ra, gd, per);

}

void display(){

System.out.println("\nSports Details of Student");

System.out.println("Sport :"+sport);

System.out.println("Rating :"+Rating);

System.out.println("\nAcademic Details of Student");

System.out.println("Academic Grade :"+Grade);

System.out.println("Overall percentage :"+Overall\_per);

}

public static void main(String[] args) {

Scanner sc =new Scanner(System.in);

System.out.println("\nEnter the Sports Details of Student");

System.out.println("\n Sport: ");

String a =sc.next();

System.out.println("\n Sport Rating out of 10: ");

int b =sc.nextInt();

System.out.println("\nEnter the Sports Details of Student");

System.out.println("\n Academic Grade: ");

String c =sc.next();

System.out.println("\n Overall percentage: ");

double d =sc.nextDouble();

sc.close();

Result obj= new Result(a,b,c,d);

obj.display();

}

}

**Output Screenshot**

