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.

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Batch:RMCA B

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Procedure

```java
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 {
```

```java
    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

```
D:\java>javac result.java

D:\java>java result

Enter the Sports Details of Student

 Sport:
cricket

 Sport Rating  out of 10:
7

Enter the Sports Details of Student

 Academic Grade:
b

 Overall percentage:
70

Sports Details of Student
Sport :cricket
Rating :7

Academic Details of Student
Academic Grade :b
Overall percentage :70.0
```