

**OBJECT ORIENTED PROGRAMMING LAB****Experiment No.: 10****Name: Reshma K S****Roll No:27****Batch:S2 MCA****Date:18/05/2022****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("\n\n.....Sports Details of Student.....");  
  System.out.println("Sport :"+sport);  
  System.out.println("Rating :"+Rating);  
  System.out.println("\n\n.....Academic 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("\n\n!!!!!!!!!!!!!!Enter the Sports Details of Student!!!!!!!!!!!!!!");  
  System.out.print(" Sport: ");  
  String a =sc.next();  
  System.out.print(" Sport Rating out of 10: ");  
  int b =sc.nextInt();  
  System.out.println("\n!!!!!!!!!!!!!!Enter the Academic Details of Student!!!!!!!!!!!!!!");  
  System.out.print(" Academic Grade: ");  
  String c =sc.next();  
  System.out.print(" Overall percentage: ");  
  double d =sc.nextDouble();  
  sc.close();  
  Result obj= new Result(a,b,c,d);  
  obj.display();  
}  
}
```

**Output Screenshot**

```
D:\r>javac Result.java
D:\r>java Result

!!!!!!!!!!!!!!Enter the Sports Details of Student!!!!!!!!!!!!!!
Sport: badminton
Sport Rating out of 10: 8

!!!!!!!!!!!!!!Enter the Academic Details of Student!!!!!!!!!!!!!!
Academic Grade: A
Overall percentage: 85

.....Sports Details of Student.....
Sport :badminton
Rating :8

.....Academic Details of Student.....
Academic Grade :A
Overall percentage :85.0

D:\r>
```