

**OBJECT ORIENTED PROGRAMMING LAB****Experiment No.: 14****Name: Justin V Kalappura****Roll No: 10****Batch: MCA****Date: 24/05/2022****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.....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\n!!!!!!!!!!!!!!Enter the Academic Details of  
Student!!!!!!!!!!!!!!");
```

```
        System.out.print(" Academic Grade: ");
```

```
        String c =sc.next();
```

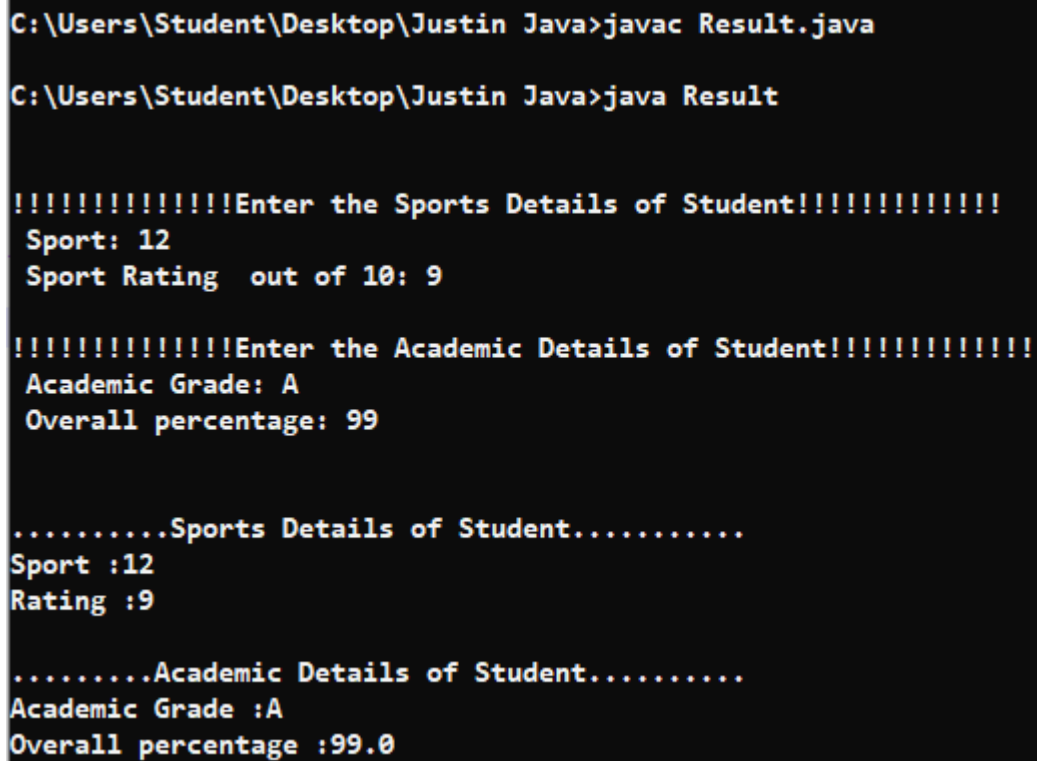
```
        System.out.print(" Overall percentage: ");
```

```
        double d =sc.nextDouble();
```

```
        sc.close();
```

```
        Result obj= new Result(a,b,c,d);  
        obj.display();  
    }  
}
```

### Output Screenshot:



```
C:\Users\Student\Desktop\Justin Java>javac Result.java  
C:\Users\Student\Desktop\Justin Java>java Result  
  
!!!!!!!!!!!!!!Enter the Sports Details of Student!!!!!!!!!!!!!!  
Sport: 12  
Sport Rating out of 10: 9  
  
!!!!!!!!!!!!!!Enter the Academic Details of Student!!!!!!!!!!!!!!  
Academic Grade: A  
Overall percentage: 99  
  
.....Sports Details of Student.....  
Sport :12  
Rating :9  
  
.....Academic Details of Student.....  
Academic Grade :A  
Overall percentage :99.0
```