

OBJECT ORIENTED PROGRAMMING LAB**Experiment No: 14****Name: Manya Madhu****Roll No: 17****Batch: S2 RMCA B****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 Student {
    int Studid;
    String Name;
    int mark1;
    int mark2;
    Student(int no, String na, int m1, int m2) {
        this.Studid = no;
        this.Name = na;
        this.mark1 = m1;
        this.mark2 = m2;
    }
}

class Sports extends Student{
    String Item;
    String Score;

    Sports( int no, String na, int m1, int m2,String I, String Sc){
        super(no,na,m1,m2);
        this.Item= I;
```

```
        this.Score=Sc;
    }
}

class Result extends Sports{
    Result( int no, String na, int m1, int m2,String I, String Sc){
        super(no,na,m1,m2,I,Sc);
    }

    void display(){
        System.out.println("Student id: "+Studid);
        System.out.println("Name: "+Name);
        System.out.println("Mark1: "+mark1);
        System.out.println("Mark2: "+mark2);
        System.out.println("Sports Item: "+Item);
        System.out.println("Score: "+Score);
    }

    public static void main(String[] args) {
        System.out.println("\nEnter the No. of Students");
        Scanner sc1 = new Scanner(System.in);
        int num = sc1.nextInt();
        Result arr[]=new Result[num];
        for(int i =0;i<num;i++)
        {
            Scanner sc =new Scanner(System.in);
            System.out.println("\nEnter Student id: ");
            int Studid=sc.nextInt();
            System.out.println("\nEnter Student Name: ");
            String Name=sc.next();
            System.out.println("\nEnter Mark1: ");
```

```
int mark1=sc.nextInt();
System.out.println("\nEnter Mark2: ");
int mark2=sc.nextInt();
System.out.println("\nEnter Sports Item: ");
String Item=sc.next();
System.out.println("\nEnter Score: ");
String Score=sc.next();
arr[i]=new Result(Studid,Name,mark1,mark2,Item,Score);

}
System.out.println("\n*****Informations of all the Students*****");
for(int i=0;i<num;i++){
    int j=i+1;
    System.out.println("\n"+j+".");
    arr[i].display();

}
sc1.close();
}

}
```

Output:

```
C:\Users\Student\Documents>java Result

Enter the No. of Students
2

Enter Student id:
100

Enter Student Name:
Aby

Enter Mark1:
89

Enter Mark2:
78

Enter Sports Item:
Tennis

Enter Score:
A

Enter Student id:
101

Enter Student Name:
Ann

Enter Mark1:
89

Enter Mark2:
90

Enter Sports Item:
Badminton
```

```
Enter Score:
A

*****Informations of all the Students*****

1).
Student id: 100
Name: Aby
Mark1: 89
Mark2: 78
Sports Item: Tennis
Score: A

2).
Student id: 101
Name: Ann
Mark1: 89
Mark2: 90
Sports Item: Badminton
Score: A

C:\Users\Student\Documents>
```