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Java Assignment 6

Part - 2

Student Marks Calculator



```
1  package Java.Assignments.Assignment6.Part2;
2
3  public class MainClass {
4      public static void main(String[] args)
5      {
6          Result res = new Result("Aayush", 003, 98, 96);
7          System.out.println(res.display());
8      }
9  }
```

```
1 package Java.Assignments.Assignment6.Part2;
2
3 public class Student
4 {
5     String name;
6     int roll_no;
7     double mark1, mark2;
8
9     public Student(String name, int roll_no, double mark1, double mark2) {
10         super();
11         this.name = name;
12         this.roll_no = roll_no;
13         this.mark1 = mark1;
14         this.mark2 = mark2;
15     }
16
17     @Override
18     public String toString() {
19         return "Student [name=" + name + ", roll_no=" + roll_no + ", mark1=" + mark1 + ", mark2=" + mark2 + "];"
20     }
21
22     public String getName() {
23         return name;
24     }
25
26     public void setName(String name) {
27         this.name = name;
28     }
29
30     public int getRoll_no() {
31         return roll_no;
32     }
33
34     public void setRoll_no(int roll_no) {
35         this.roll_no = roll_no;
36     }
37
38     public double getMark1() {
39         return mark1;
40     }
41
42     public void setMark1(double mark1) {
43         this.mark1 = mark1;
44     }
45
46     public double getMark2() {
47         return mark2;
48     }
49
50     public void setMark2(double mark2) {
51         this.mark2 = mark2;
52     }
53 }
54
```



```
1  package Java.Assignments.Assignment6.Part2;  
2  
3  public interface Exam  
4  {  
5      public void Percent_cal();  
6  }  
7
```



```
1  package Java.Assignments.Assignment6.Part2;
2
3  public class Result extends Student implements Exam
4  {
5      double percentage;
6
7      public Result(String name, int roll_no, double mark1, double mark2) {
8          super(name, roll_no, mark1, mark2);
9      }
10
11     @Override
12     public void Percent_cal() {
13         this.percentage = (mark1 + mark2) /2;
14     }
15
16     public String display()
17     {
18         Percent_cal();
19         return String.format("""
20             Roll No: %d
21             Name: %s
22             Percentage: %.2f%%
23             """, roll_no, name, percentage).toString();
24     }
25 }
26
```

Output



1 Roll No: 3

2 Name: Aayush

3 Percentage: 97.00%

Github: <https://github.com/devilb2103/Sem-4/tree/main/Java/Assignments/Assignment6>