

Java Week 4: Q5

Due on 2020-10-15, 23:59 IST

Modify the code segment to print the following output.

-----OUTPUT-----

Circle: This is Shape1

Circle: This is Shape2

Private Test cases used for evaluation	Input	Expected Output	Actual Output	Status
Test Case 1		Circle: This is Shape1\n Circle: This is Shape2	Circle: This is Shape1\n Circle: This is Shape2	Passed

The due date for submitting this assignment has passed.

1 out of 1 tests passed.

You scored 100.0/100.

Assignment submitted on 2020-10-09,00:32 IST

Your last recorded submission was :

```

1 // Interface ShapeX is created
2 interface ShapeX {
3     public String baseX = "This is Shape1";
4     public void display1();
5 }
6
7 // Interface ShapeY is created which extends ShapeX
8 interface ShapeY extends ShapeX {
9     public String baseY = "This is Shape2";
10    public void display2();
11 }
12
13 // Class ShapeG is created which implements ShapeY
14 class ShapeG implements ShapeY {
15     public String baseG = "This is Shape3";
16     //Overriding method in ShapeX interface
17     public void display1() {
18         System.out.println("Circle: " + baseX);
19     }
20     public void display2() {
21         // Override method in ShapeY interface
22         System.out.print("Circle: " + baseY);
23     }
24 }
25
26 // Main class Question
27 public class Question45{
28     public static void main(String[] args) {
29         //Object of class shapeG is created and display methods are called.
30         ShapeG circle = new ShapeG();
31         circle.display1();
32         circle.display2();
33     }
34 }
35

```

Sample solutions (Provided by instructor)

```

1 // Interface ShapeX is created
2 interface ShapeX {
3     public String base = "This is Shape1";
4     public void display1();
5 }
6
7 // Interface ShapeY is created which extends ShapeX
8 interface ShapeY extends ShapeX {
9     public String base = "This is Shape2";
10    public void display2();
11 }
12
13 // Class ShapeG is created which implements ShapeY
14 class ShapeG implements ShapeY {
15     public String base = "This is Shape3";
16     //Overriding method in ShapeX interface
17     public void display1() {
18         System.out.println("Circle: " + ShapeX.base);
19     }
20     // Overriding method in ShapeY interface
21     public void display2() {
22         System.out.println("Circle: " + ShapeY.base);
23     }
24 }
25
26 // Main class Question
27 public class Question45{
28     public static void main(String[] args) {
29         //Object of class shapeG is created and display methods are called.
30         ShapeG circle = new ShapeG();
31         circle.display1();
32         circle.display2();
33     }
34 }
35

```

Course outline

How does an NPTEL online course work?

Week 0 : Assignment 0

Week 1 :

Week 2 :

Week 3 :

Week 4 :

- Lecture 16 : Demonstration-VII
- Lecture 17 : Packages-I
- Lecture 18 : Packages-II
- Lecture 19 : Demonstration-VIII
- Lecture 20 : Interface-I
- Quiz: Assignment 4
- Java Week 4: Q1
- Java Week 4: Q2
- Java Week 4: Q3
- Java Week 4: Q4
- Java Week 4: Q5
- Feedback For Week 4

Week 5 :

Week 6 :

Week 7 :

Week 8 :

Week 9 :

Week 10 :

Week 11 :

Week 12 :

Solution

DOWNLOAD VIDEOS

Text Transcripts

Programming Test - (April 11 - 10AM - 12 PM)

Programming Test - (April 11 - 8PM - 10 PM)