

## Java SET-I : Q5

Due on 2021-04-11, 12:00 IST

The following program has a number of bugs. It won't compile successfully. Fix the bug so that the program prints the following output.

-----OUTPUT-----

ShapeX: This is Shape1

ShapeY: This is Shape2

Private Test cases used for evaluation	Input	Expected Output	Actual Output	Status
Test Case 1		ShapeX: This is Shape1\nShapeY: This is Shape2	ShapeX: This is Shape1\nShapeY: 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 2020-12-12, 10:32 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("ShapeX: " + baseX);
19     }
20     // Override method in ShapeY interface
21     public void display2() {
22         System.out.print("ShapeY: " + baseY);
23     }
24 }
25 // Main class Question5
26 public class Question5{
27     public static void main(String[] args) {
28         //Object of class shapeG is created and display methods are called.
29         ShapeG circle = new ShapeG();
30         circle.display1();
31         circle.display2();
32     }
33 }

```

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("ShapeX: " + ShapeX.base);
19     }
20     // Overriding method in ShapeY interface
21     public void display2() {
22         System.out.println("ShapeY: " + ShapeY.base);
23     }
24 }
25 // Main class Question5
26 public class Question5{
27     public static void main(String[] args) {
28         //Object of class shapeG is created and display methods are called.
29         ShapeG circle = new ShapeG();
30         circle.display1();
31         circle.display2();
32     }
33 }

```

## Course outline

How does an NPTEL online course work?

Week 0 : Assignment 0

Week 1 :

Week 2 :

Week 3 :

Week 4 :

Week 5 :

Week 6 :

Week 7 :

Week 8 :

Week 9 :

Week 10 :

Week 11 :

Week 12 :

Solution

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Text Transcripts

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

Java SET-I : Q1

Java SET-I : Q2

Java SET-I : Q3

Java SET-I : Q4

Java SET-I : Q5

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