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**NPTEL** (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » **Programming in Java (course)**

Announcements (announcements)

**About the Course** ([https://swayam.gov.in/nd1\\_noc20\\_cs08/preview](https://swayam.gov.in/nd1_noc20_cs08/preview)) Ask a Question (forum)

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## Java Week 4: Q5

**Due on 2020-02-27, 23:59 IST**

Modify the code segment to print the following output.

### -----OUTPUT-----

Circle: This is Shape1

Circle: This is Shape2

 Select the Language for this assignment. Java ▾

 File name for this program : Question45.java

```

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     public void display2() {
21         // Override method in ShapeY interface
22         System.out.println("Circle: " + ShapeY.base);
23     }
24 }
25
0 // Main class Question
1 public class Question45{
2     public static void main(String[] args) {

```

### Course outline

**How does an  
NPTEL online  
course work?**
**Week 0 :****Week 1 :****Week 2 :****Week 3 :****Week 4 :**

- Lecture 16 :  
Demonstration-  
VII (unit?  
unit=5&lesson=30)

- Lecture 17 :  
Packages-I

(unit?  
unit=5&lesson=31)

Lecture 18 :  
Packages-II

(unit?  
unit=5&lesson=32)

Lecture 19 :  
Demonstration-  
VIII (unit?  
unit=5&lesson=33)

Lecture 20 :  
Interface-I  
(unit?  
unit=5&lesson=34)

Quiz :  
Assignment 4  
(assessment?  
name=96)

Java Week 4:  
Q1  
(/noc20\_cs08/progassignment?  
name=125)

Java Week 4:  
Q2  
(/noc20\_cs08/progassignment?  
name=126)

Java Week 4:  
Q3  
(/noc20\_cs08/progassignment?  
name=127)

Java Week 4:  
Q4  
(/noc20\_cs08/progassignment?  
name=129)

Java Week 4:  
Q5  
(/noc20\_cs08/progassignment?  
name=128)

Feedback For  
Week 4 (unit?  
unit=5&lesson=130)

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VIDEOS

Assignment  
Solution

```
3 //Object of class shapeG is created and display methods are c
4 ShapeG circle = new ShapeG();
5 circle.display1();
6 circle.display2();
7 }
8 }
9 }
```

You may submit any number of times before the due date. The final submission will be considered for grading.

**This assignment has Public Test cases. Please click on "Compile & Run" button to see the status of Public test cases. Assignment will be evaluated only after submitting using Submit button below. If you only save as or compile and run the Program , your assignment will not be graded and you will not see your score after the deadline.**

Save as Draft	Compile & Run	Submit	Reset
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Sample Test Cases

	Input	Output
Test Case 1	<input type="text"/>	Circle: This is Shape1 Circle: This is Shape2

