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rajeshborate08@gmail.com >

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) Ask a Question (forum)

Progress (student/home) Mentor (student/mentor)

Register for Certification exam

Java Week 4: Q5

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

Status

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ed

Modify the code segment to print the following output.

(https://nptelaprilexam.swayam.gov.in/)

Course outline

How does an **NPTEL** online course work?

Week 0:

Week 1:

Week 2: Week 3:

Week 4:

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

O Lecture 17: Packages-I

--OUTPUT---

Circle: This is Shape1 Circle: This is Shape2

Private Test cases used

InputExpected Output for evaluation

Circle: This is Shape1\n Test Case 1 Circle: This i s Shape2\n

Circle: This is Shape1\n

Actual Output

Circle: This is Shape2\n

Due Date Exceeded.

1 out of 1 tests passed. You scored 100.0/100.

Your last recorded submission was :

```
1 interface ShapeX
 2
    public String base = "This is Shape1";
 3
    public void display1();
5
6
7
8
   interface ShapeY extends ShapeX
    public String base = "This is Shape2";
   public void display2();
}
10
11
12
```

```
13 class ShapeG implements ShapeY
   (unit?
                             14
   unit=5&lesson=31)
                                   public String base = "This is Shape3";
                             15
                                   public void display1()
                             16
Lecture 18 :
                             17
   Packages-II
                                    System.out.println("Circle: " + ShapeX.base);
                             19
   (unit?
                             20
                                   public void display2()
   unit=5&lesson=32)
                             21
                             22
                                     System.out.println("Circle: " + ShapeY.base);}
Lecture 19 :
                             23
                                 // Main class Question
                             24
   Demonstration-
                                 public class Question45{
                             25
   VIII (unit?
                                   public static void main(String[] args) {
                             26
                                    //Object of class shapeG is created and display methods are called.
ShapeG circle = new ShapeG();
   unit=5&lesson=33)
                             27
                             28
                                    circle.display1();
circle.display2();
                             29
Lecture 20 :
                             30
   Interface-I
                             31
   (unit?
                             32
                             33
   unit=5&lesson=34)
                           Sample solutions (Provided by instructor)
 Quiz :
                           Select the Language . Java ▼
   Assignment 4
                                 // Interface ShapeX is created
   (assessment?
                                 interface ShapeX {
   name=96)
                                  public String base = "This is Shape1";
                                   public void display1();
 Java Week 4:
                               6
                                  // Interface ShapeY is created which extends ShapeX
   (/noc20 cs08/progassic
                                 interface ShapeY extends ShapeX {
  public String base = "This is Shape2";
  public void display2();
                               Я
   name=125)
                             11
 Java Week 4:
                             12
                                 // Class ShapeG is created which implements ShapeY
                             13
                                 class ShapeG implements ShapeY {
  public String base = "This is Shape3";
  //Overriding method in ShapeX interface
  public void display1() {
    System.out.println("Circle: " + ShapeX.base);
}
   (/noc20_cs08/progassig
                             14
                             15
   name=126)
                             16
                             17
 Java Week 4:
                             18
                             19
                                  // Overriding method in ShapeY interface
public void display2() {
  System.out.println("Circle: " + ShapeY.base);
                             20
   (/noc20_cs08/progassig
                             21
   name=127)
                             22
                             23
 Java Week 4:
                             24
                             25
                                 // Main class Question
public class Question45{
                             26
   (/noc20_cs08/progassig
                             27
   name=129)
                                   public static void main(String[] args) {
                             28
                                    //Object of class shapeG is created and display methods are called.
ShapeG circle = new ShapeG();
                             29
 Java Week 4:
                                    circle.display1();
                             31
   Q5
                                    circle.display2();
                             32
   (/noc20_cs08/progass
                             33
   name=128)
                             34
                                 }
                             35

    Feedback For

   Week 4 (unit?
   unit=5&lesson=130)
Week 5:
Week 6:
DOWNLOAD
VIDEOS
```

Assignment Solution