

Java Week 4: Q3

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

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)

The program in this assignment is attempted to print the following output:

```
-----OUTPUT-----
This is large
This is medium
This is small
This is extra-large
```

However, the code is intentionally injected with some bugs. Debug the code to execute the program successfully.

Private Test cases used for evaluation	Input	Expected Output	Actual Output	Status
Test Case 1		This is large\n This is medium\n This is small\n This is extra-large	This is large\n This is medium\n This is small\n This is extra-large	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, 00:24 IST

Your last recorded submission was :

```

1 interface ExtraLarge{
2     String extra = "This is extra-large";
3     public void display();
4 }
5
6 class Large {
7     public void Print() {
8         System.out.println("This is large");
9     }
10 }
11
12 class Medium extends Large {
13     public void Print() {
14         super.Print();
15         System.out.println("This is medium");
16     }
17 }
18 class Small extends Medium {
19     public void Print() {
20         super.Print();
21         System.out.println("This is small");
22     }
23 }
24
25 class Question43 implements ExtraLarge{
26     public void display(){
27         System.out.print(extra);
28     }
29     public static void main(String[] args) {
30         Small s = new Small();
31         s.Print();
32         Question43 q = new Question43();
33         q.display();
34     }
35 }
36
37
38
```

Sample solutions (Provided by instructor)

```

1 interface ExtraLarge{
2     static String extra = "This is extra-large";
3     void display();
4 }
5
6 class Large {
7     public void Print() {
8         System.out.println("This is large");
9     }
10 }
11
12 class Medium extends Large {
13     public void Print() {
14         super.Print();
15         System.out.println("This is medium");
16     }
17 }
18 class Small extends Medium {
19     public void Print() {
20         super.Print();
21         System.out.println("This is small");
22     }
23 }
24
25 class Question43 implements ExtraLarge{
26     public static void main(String[] args) {
27         Small s = new Small();
28         s.Print();
29         Question43 q = new Question43();
30         q.display();
31     }
32     public void display(){
33         System.out.println(extra);
34     }
35 }
36
37
38
```

