

Week 04 : Programming Assignment 3

Due on 2025-02-20, 23:59 IST

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 with some bugs in it. 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\nThis is medium\nThis is small\nThis is extra-large	This is large\nThis is medium\nThis is small\nThis 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 2025-02-20, 19:57 IST

Your last recorded submission was :

```
1 interface ExtraLarge {
2     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
19 class Small extends Medium {
20     public void Print() {
21         super.Print();
22         System.out.println("This is small");
23     }
24 }
25
26 //All ok done
27
28 class Main implements ExtraLarge {
29     public static void main(String[] args) {
30         Small s = new Small();
31         s.Print();
32         Main q = new Main();
33         q.display();
34     }
35
36     public void display() {
37         System.out.print(extra);
38     }
39 }
```

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 Main implements ExtraLarge{
26     public static void main(String[] args) {
27         Small s = new Small();
28         s.Print();
29         Main q = new Main();
30         q.display();
31     }
32     public void display(){
33         System.out.println(extra);
34     }
35 }
```