

## Java Week 12: Q4

Due on 2020-12-10, 23:59 IST

A program code is given to call the parent class static method and instance method in derive class without creating object of parent class. You should write the appropriate code so that the program print the contents of static method() and instance method () of parent class.

Private Test cases used for evaluation

Input Expected Output

Actual Output

Status

Test Case 1

The instance method.\n  
The static method.\n

The instance method.\n  
The static method.\n

Passed

The due date for submitting this assignment has passed.

1 out of 1 tests passed.

You scored 100.0/100.

Assignment submitted on 2020-12-09, 12:44 IST

Your last recorded submission was :

```
1 class Parent {
2     public static void testClassMethod() {
3         System.out.println("The static method.");
4     }
5     public void testInstanceMethod() {
6         System.out.println("The instance method.");
7     }
8 }
9 public class Child extends Parent {
10     public static void testClassMethod() { }
11 }
12 public static void main(String[] args) {
13     Child c= new Child();
14     c.testInstanceMethod();
15     // Call the static method in the Parent class
16     Parent.testClassMethod();
17 }
18 //Parent ob=c;
19 //ob.testClassMethod();
20 }
21 }
22 }
23 }
```

Sample solutions (Provided by instructor)

```
1 class Parent {
2     public static void testClassMethod() {
3         System.out.println("The static method.");
4     }
5     public void testInstanceMethod() {
6         System.out.println("The instance method.");
7     }
8 }
9 public class Child extends Parent {
10     public static void testClassMethod() { }
11 }
12 public static void main(String[] args) {
13     // Call the instance method in the Parent class
14     Child c= new Child();
15     c.testInstanceMethod();
16     // Call the static method in the Parent class
17     Parent.testClassMethod();
18 }
19 //Parent ob=c;
20 //ob.testClassMethod();
21 }
22 }
23 }
24 }
25 }
```

### 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 :

• Lecture 56 : Case Study - I

• Lecture 57 : Case Study - II

• Lecture 58 : Case Study - III

• Lecture 59 : Case Study - IV

• Lecture 60 : Case Study - V

• Quiz: Assignment 12

• Java Week 12: Q1

• Java Week 12: Q2

• Java Week 12: Q3

• Java Week 12: Q4

• Java Week 12: Q5

• Feedback For Week 12

Solution

DOWNLOAD VIDEOS

Text Transcripts

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

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