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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)

Ask a Question (forum) Progress (student/home) Mentor (student/mentor)

Unit 7 - Week 5 :

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 Course
outline

 How does an
NPTEL online
course work?

Week 0 :

Week 1 :

Week 2 :

Week 3 :

Week 4 :

Week 5 :

☐ Lecture 21 :
Interface-II
(unit?
unit=6&lesson=35)

☐ Lecture 22 :
Demonstration-
IX (unit?
unit=6&lesson=36)

Assignment 5

 The due date for submitting this assignment has passed. **Due on 2020-03-04, 23:59 IST.**

Assignment submitted on 2020-03-04, 20:41 IST

 1) 1 point

Which one is correct declaration for implementing two interfaces?

- a. `class C implements A, B { }`
- b. `class C implements A, implements B { }`
- c. `class C implements A extends B { }`
- d. `class C extend A, B { }`

- ☒ a.
- ☐ b.
- ☐ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

 2) 1 point

☐ Lecture 23 :
Exception
Handling-I (unit?
unit=6&lesson=37)

☐ Lecture 24 :
Exception
Handling-II
(unit?
unit=6&lesson=38)

☐ Lecture 25 :
Exception
Handling-III
(unit?
unit=6&lesson=39)

☒ **Quiz :
Assignment 5
(assessment?
name=97)**

☒ Java Week 5:Q1
(/noc20_cs08/progassignment
name=133)

☒ Java Week 5:
Q2
(/noc20_cs08/progassignment
name=134)

☒ Java Week 5:
Q3
(/noc20_cs08/progassignment?
name=135)

☒ Java Week 5:
Q4
(/noc20_cs08/progassignment?
name=136)

☒ Java Week 5:
Q5
(/noc20_cs08/progassignment?
name=137)

☐ Feedback For
Week 5 (unit?
unit=6&lesson=141)

Week 6 :

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**Assignment
Solution**

Which access type data gets derived as private member in derived class?

- a. private
- b. public
- c. protected
- d. default

- ☒ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

3)

All interface methods are implicitly

- a. public and final
- b. public and abstract
- c. protected and abstract
- d. private and abstract

- ☒ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

1 point

4)

1 point

Consider the following piece of code.

```
public class Trycatchfinally {  
    public static void main(String []args) {  
        try {  
            System.out.println("try");  
            System.exit(0);  
        }  
        catch(ArithmeticException e) {  
            System.out.println("catch");  
        }  
        finally {  
            System.out.println("finally");  
        }  
    }  
}
```

Which of the following statement(s) is/are correct?

- a. The output of the code is
try
catch
finally
- b. The output of the code is
try
- c. The output of the code is
try
finally
- d. The output of the code is
catch
finally

- ☐ a.
☒ b.
☐ c.
☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

5)

1 point

Does a subclass inherit both member variables and methods?

- a. No—only member variables are inherited.
- b. No—only methods are inherited.
- c. Yes—both are inherited - but not those are declared as private.
- d. Yes—only the members/ methods with protected are inherited.

- ☐ a.
- ☐ b.
- ☒ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

6)

1 point

Consider the following program.

```
public class Question4{
    public static void main(String args[]){
        int arr[]={0,1,2,3,4};
        int index=0;
        while(arr[index]==index){
            System.out.print(arr[index]);
            index++;
        }
    }
}
```

If the program is executed, then what will be the output from the execution?

- a. 01234
- b. 01234 with ArrayIndexOutOfBoundsException
- c. ArrayIndexOutOfBoundsException
- d. Compilation error

- ☐ a.
- ☒ b.
- ☐ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

7)

Which of the following is a class?

1 point

- a. DriverManager
- b. Connection
- c. Statement
- d. ResultSet

- ☒ a.
- ☐ b.

- ☐ c.
☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

8) Consider the program given below.

1 point

```
public class Question8{
    static public void method1() {
        System.out.println("This");
    }
    public static void method2() {
        System.out.println("is");
    }
    static public int method3() {
        System.out.println("Java");
        return 0;
    }
    public static void main(String args[]) {
        try{
            method1();
        } catch (Exception e) {
            System.out.println("1:"+e);
        }
        try{
            method2();
        } catch (Exception e) {
            System.out.println("2:"+e);
        }
        try{
            method3();
        } catch (Exception e) {
            System.out.println("3:"+e);
        }
    }
}
```

What will be the output of the following code?

- a. This
is
Java
b. Exception at method 1
c. Exception at method 2
d. Exception at method 3

- ☒ a.
☐ b.
☐ c.
☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

9)

1 point

Consider the following code segment.

```
class Refer{
    static int a = 1;
}

class Answer extends Refer{
    static int a = 2;
}

public class Question9 extends Answer{
    public static void main(String args[]){
        a = 5;
        System.out.println(Answer.a);
        System.out.println(Reference.a);
    }
}
```

What will be the output of the following code?

- a. 1
1
- b. 1
2
- c. 5
1
- d. 5
5

- ☐ a.
- ☐ b.
- ☒ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

10)

1 point

Consider the following piece of program.

```
class Parent {  
    int a=40;  
    int b=20;  
}  
  
public class Child1 extends Parent {  
    int a=100;  
    int b=200;  
  
    void add(inta,int b) {  
        //body  
    }  
  
    public static void main(String[] args) {  
        Child1 c = new Child1();  
        c.add(1000,2000);  
    }  
}
```

Which of the following statements(s) is/are replaced in body of the function definition of **void add(inta, int b)** to get the output 60?

- a. System.out.println(this.a+b);
- b. System.out.println(this.a+this.b)
- c. System.out.println(super.a+super.b);
- d. System.out.println(a+b);

- ☐ a.
- ☐ b.
- ☒ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.