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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

Assignment 5

Your last recorded submission was on 2020-03-04, 15:24 Due date: 2020-03-04, 23:59 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.

2) 1 point

(unit?
unit=6&lesson=35)

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

● 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 :

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

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

- ☐ a.
☐ b.
☒ c.
☐ d.

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.

1 point

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VIDEOS****Assignment
Solution**

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.

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.

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.

7)

Which of the following is a class?

1 point

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

☒ a.☐ b.☐ c.☐ d.

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.

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.

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.

You may submit any number of times before the due date. The final submission will be considered for grading.

Submit Answers

