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zainabmaryam133@gmail.com ▾

NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Programming in Java (course)



Course outline

How does an
NPTEL
online
course
work? ()

Week 0 :
Assignment
0 ()

Week 1 : ()

○ Lecture 01 :
Introduction
(unit?
unit=17&lesson=18)

○ Lecture 02 :
Java
Programming
Steps (unit?
unit=17&lesson=19)

● Lecture 03 :
Java Tools and
Resources
(unit?
unit=17&lesson=20)

○ Lecture 04 :
Demonstration-
I (unit?
unit=17&lesson=21)

Assignment 1

The due date for submitting this assignment has passed.

Due on 2021-02-03, 23:59 IST.

As per our records you have not submitted this assignment.

1)

1 point

Which of the following is/are correct way(s) of initializing a variable in Java?

- a. Different line declaration and initialization

```
int a,b;
a=5;
b=6;
```

- b. Single line declaration and initialization (One at a each line)

```
int a =5;
int b =6;
```

- c. Single line declaration and initialization (One line multiple variable)

```
int a=10,b=20;
```

- d. Single line declaration and initialization (One line multiple variable)

```
int a, b = 11, 21;
```

- a.
 b.
 c.
 d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

Lecture 05 :
Java Applet
Programming
(unit?
unit=17&lesson=22)

b.
c.
2)

1 point

Which of the following is/are non-primitive data type(s) in Java?

Quiz:

Assignment 1
(assessment?
name=129)

- a. int
- b. String
- c. short
- d. double

Week 1: Q1
(/noc21_cs03/procassignr
name=124)

- a.
- b.
- c.
- d.

Week 1 : Q2
(/noc21_cs03/procassignment?
name=125)

No, the answer is incorrect.
Score: 0

Accepted Answers:
Week 1 : Q4
(/noc21_cs03/procassignment?
name=127)

b.
3)

1 point

Week 1 : Q5
(/noc21_cs03/procassignr
name=128)

Following is a program given for this question.

```
public class Question1{
    public static void main(String args[]){
        char x='1',y='2';
        System.out.println(x-y+x);
    }
}
```

Feedback For
Week 1 (unit?
unit=17&lesson=23)

Week 2 : ()

Week 3 : ()

Week 4 : ()

Week 5 : ()

Week 6 : ()

Week 7 : ()

Week 8 : ()

Week 9 : ()

Week 10 : ()

Week 11 : ()

Week 12 : ()

What will be the output of the above program?

- a. 1
- b. 0
- c. 48
- d. 121

- a.
- b.
- c.
- d.

No, the answer is incorrect.
Score: 0

Accepted Answers:

c.

Assignment Solution ()**DOWNLOAD VIDEOS ()****Text Transcripts ()****Live Interactive Session ()****SET-I Unproctored Exam ()****SET-II Unproctored Exam ()****Programming Exam Oct 2021 (First Session): (10.00AM - 12:00PM). ()****Programming Exam Oct 2021 (Second Session): (8.00PM - 10:00PM). ()****SET-I Unproctored Exam Jan-2022 ()****SET-II Unproctored Exam Jan 2022 ()****4) Which of the following is not a Language Processor? 1 point**

- a. Assembler
- b. Compiler
- c. Interpreter
- d. Fortran

- a.
- b.
- c.
- d.

No, the answer is incorrect.
Score: 0

Accepted Answers:
d.

5) 1 point**So far the declaration of main() method is concerned, which of the following specification is not valid?**

- a. void
- b. public
- c. static
- d. private

- a.
- b.
- c.
- d.

No, the answer is incorrect.
Score: 0

Accepted Answers:
d.

6) 1 point

Consider the following program.

```
public class Question1{  
    public static void main(String args[]){  
        int arr[]={0,1,2,3,4,5,6,7};  
        for(int b=5;b>2;b-=2){  
            System.out.println(arr[--b]);  
        }  
    }  
}
```

What will be the output of the program if it is executed?

- a. 4
- b. 2
- c. 3
- d. 5

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

7)

1 point

Which of the following is not a correct statement?

- a. It is always necessary to use *new* operator to initialize an array.
- b. Array can be initialized using comma separated expressions surrounded by curly braces.
- c. Array can be declared and memory can be allotted in one statement.
- d. An array can be declared in one statement and memory can be allocated in other statement.

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

8)

1 point**Which of the following can be used for a variable name in Java?**

- a. malloc
- b. final
- c. case
- d. byte

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

9)

1 point**What is the output of this program?**

```
public class Question {  
    public static void main(String args[])  
    {  
        int i = 4;  
        System.out.print(--i * 8);  
    }  
}
```

- a. 24
- b. 25
- c. 32
- d. 31

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

10)

1 point

Which of the following is not an object-oriented programming paradigm?

- a. Encapsulation
- b. Inheritance
- c. Polymorphism
- d. Dynamic memory allocation

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

X



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**How does an
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**Week 0 :
Assignment
0 ()**

Week 1 : ()

Week 2 : ()

Lecture 06 :
Demonstration-II (unit?
unit=24&lesson=25)

Lecture 07 :
Encapsulation (unit?
unit=24&lesson=26)

Lecture 08 :
Demonstration-III (unit?
unit=24&lesson=27)

Lecture 09 :
Java Programming Insights (unit?
unit=24&lesson=28)

Assignment 2

The due date for submitting this assignment has passed.**Due on 2021-02-07, 23:59 IST.****As per our records you have not submitted this assignment.****1)****1 point****What is the output of the following program?**

```
public class Main{
    public static void main(String args[]){
        char a = '3';
        int b=011;
        System.out.println(a+b);
    }
}
```

- a. 60
- b. 3011
- c. 33
- d. 311

 a. b. c. d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

2)**1 point**

Lecture 10 :
Demonstration-IV (unit?
unit=24&lesson=29)

Which of the following is called when a method having the same name as that the name of the class where it is defined?

- a. abstract
- b. this
- c. constructor
- d. final

Quiz:
Assignment 2
(assessment?
name=130)

- a.
- b.
- c.
- d.

Java Week 2:
Q1
(/noc21_cs03/programassignment?
name=131)

No, the answer is incorrect.

Score: 0

Accepted Answers:
c.

Java Week 2:

3)

1 point

Following is a program given for this question.

```
public class Main{
    public static void main(String[] args) {
        char[] copyFrom = { 'j', 'a', 'n', 'j', 'a', 'v', 'a',
                           'n', 'p', 't', 'e', 'l' };
        char[] copyTo = new char[9];

        System.arraycopy(copyFrom, 3, copyTo, 0, 9);
        System.out.println(new String(copyTo));
    }
}
```

What will be the output of the above program?

Feedback For
Week 2 (unit?
unit=24&lesson=30)

- a. javanptel
- b. npteljava
- c. janjananptel
- d. janjananp

Week 3 : ()

- a.
- b.
- c.
- d.

Week 4 : ()

Week 5 : ()

Week 6 : ()

No, the answer is incorrect.

Score: 0

Accepted Answers:

- a.

Week 8 : ()

4)

1 point

Week 9 : ()

Week 10 : ()

Week 11 : ()

Week 12 : ()**Assignment Solution ()****DOWNLOAD VIDEOS ()****Text Transcripts ()****Live Interactive Session ()****SET-I Unproctored Exam ()****SET-II Unproctored Exam ()****Programming Exam Oct 2021 (First Session): (10:00AM - 12:00PM). ()****Programming Exam Oct 2021 (Second Session): (8:00PM - 10:00PM). ()****SET-I Unproctored Exam Jan-2022 ()****SET-II Unproctored Exam Jan 2022 ()****What will happen during the execution of the following code for the command line input?**

```
public class Question {
    public static void main (String[] args) {
        for (String s: args) {
            System.out.println(s+args[0]);
        }
    }
}
```

Consider the following input on command line and select the options with the correct output(s).

Input:

A: "jan java nptel"

B: 1 2 3

- a. A : janmptel
javanptel
nptelnptel
- b. A : jan java npteljan java nptel
- c. B : 11
21
31
- d. B : 1 2 3 1

- a.
 b.
 c.
 d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

- b.
- c.
- 5)

1 point**Which of the following is/are TRUE about print() and println() methods?**

- a. print () prints in a single line only and multiple lines cannot be printed in any way.
- b. println () prints and then appends a line break.
- c. println () prints in a single line only and multiple lines cannot be printed.
- d. print () prints and then appends a line break.

- a.
 b.
 c.
 d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

- b.
- 6)

1 point

During constructor overloading, which of the following should be used in a parameterized constructor to call the default constructor?

- a. The parameterized constructor should be declared final in order for it to call the default constructor.
- b. The this() reference should be used as the first statement inside the parameterized constructor.
- c. The this() reference should be used anywhere inside the parameterized constructor.
- d. It is not possible to implicitly call the default constructor from parameterized constructor.

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

7)

1 point

Which of the following is a valid declaration of an object of class, say Box?

- a. Box obj = new Box();
- b. Box obj = new Box;
- c. obj = new Box();
- d. new Box obj;

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

8)

1 point

Following is a program given for this question.

```
public class Question
{
    public static void main(String[] args) {
        boolean m=Integer.valueOf(1).equals(Long.valueOf(1));
        System.out.println(m);
    }
}
```

What will be the output of the above program?

- a. false
- b. true
- c. 0
- d. 1

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

9)

1 point

Which of the following can be used to take input from user during the execution of a program?

- a. Using the string array provided as a parameter to the main method.
- b. getText() method can be used to get user input from the command line.
- c. Scanner class can be used by passing the predefined object System.in
- d. Once the execution starts, there is no way to provide user input.

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

10)

1 point

What is the output of the following program?

```
public class Question
{
    public static void main(String[] args) {
        int i = 10;
        int n = i++%5;
        int m = ++i%5;
        System.out.println(i+n+m);
    }
}
```

- a. 14
- b. 13
- c. 15
- d. 11

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

X



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Course outline

**How does an
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**Week 0 :
Assignment
0 ()**

Week 1 : ()

Week 2 : ()

Week 3 : ()

● Lecture 11 :
Java Static
Scope Rule
(unit?
unit=31&lesson=32)

○ Lecture 12 :
Demonstration-
V (unit?
unit=31&lesson=33)

○ Lecture 13 :
Inheritance
(unit?
unit=31&lesson=34)

○ Lecture 14 :
Demonstration-

Assignment 3

The due date for submitting this assignment has passed.**Due on 2021-02-10, 23:59 IST.****As per our records you have not submitted this assignment.**

1)

1 point

```
public class Question
{
    public static int x = 3;
    public static void main(String[] args) {

        Question a = new Question ();
        Question b = new Question ();
        a.x = 2;
        b.x = 1;
        System.out.println(a.x+b.x+Question.x);
    }
}
```

What is the output of the above program?

- a. 6
- b. 3
- c. 9
- d. runtime error

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

VI (unit? unit=31&lesson=35)	2)	1 point
○ Lecture 15 : Information Hiding (unit? unit=31&lesson=36)	a. Code sharing b. Codemaintainability c. Code reusability d. All of the above	
○ Quiz: Assignment 3 (assessment? name=136)	<input type="radio"/> a. <input type="radio"/> b. <input type="radio"/> c. <input type="radio"/> d.	
○ Week 3 : Q1 (/noc21_cs03/progassignment? name=137)	No, the answer is incorrect. Score: 0	
○ Week 3 : Q2 (/noc21_cs03/progassignment? name=138)	Accepted Answers: d.	1 point
○ Week 3 : Q3 (/noc21_cs03/progassignment? name=139)	<input type="radio"/> a. <input type="radio"/> b. <input type="radio"/> c. <input type="radio"/> d.	
○ Week 3 : Q4 (/noc21_cs03/progassignment? name=140)	Which of the following statement(s) is/are not TRUE? a. Hiding internal data from the outside world, and accessing it only through publicly exposed methods is known as data encapsulation . b. Common behavior can be defined in a superclass and inherited into a subclass using the extends keyword. c. The term "class variable" is another name for non-static field . d. A local variable stores temporary state; it is declared outside a method .	
○ Feedback For Week 3 (unit? unit=31&lesson=37)	<input type="checkbox"/> a. <input type="checkbox"/> b. <input type="checkbox"/> c. <input type="checkbox"/> d.	
Week 4 : ()		
Week 5 : ()	No, the answer is incorrect. Score: 0	
Week 6 : ()	Accepted Answers: c. d.	
Week 7 : ()		
Week 8 : ()	4)	1 point
Week 9 : ()		
Week 10 : ()		
Week 11 : ()		
Week 12 : ()		
Assignment Solution ()		

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**SET-I
Unproctored
Exam ()**

**SET-II
Unproctored
Exam ()**

**Programming
Exam Oct
2021 (First
Session):
(10.00AM -
12:00PM). ()**

**Programming
Exam Oct
2021
(Second
Session):
(8.00PM -
10:00PM). ()**

**SET-I
Unproctored
Exam Jan-
2022 ()**

**SET-II
Unproctored
Exam Jan
2022 ()**

Consider the following class definition:

```
class Student extends String {  
}
```

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

- a. Code will compile successfully.
- b. Code will not compile because of the super class String.
- c. Code will not compile because the class is not declared as public.
- d. Code will not compile because the body is not defined.

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

5)

1 point

Consider the following piece of code in Java.

```
class Test {  
    protected int method(int a, int b){  
        return 0;  
    }  
}
```

Which of the following method(s) is/are declaration is/are invalid in a class that extends class Test?

- a. public int method(int a, int b) {
 return 0;
 }
- b. private int method(int a, int b) {
 return 0;
 }
- c. static protected intmethod(int a, int b) {
 return 0;
 }
- d. public short method(int a, int b) {
 return 0;
 }

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

c.

d.

6)

1 point

Which of the following is called when a method having the same name as that of the class is defined?

- a. abstract
- b. this
- c. final
- d. constructor

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

7)

1 point

```
public class Test1{  
    Test1() {  
    Test1 obj1 = new Test1();  
    }  
  
    public static void main(String []args) {  
    Test1 obj = new Test1();  
    System.out.println("Hello");  
    }  
}
```

Which of the following statements is/ are not true?

- a. Output will be : Hello
- b. Program will compile successfully.
- c. There will be a compile-time error.
- d. The program will give a runtime error.

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.
c.

8)

1 point

Hiding internal data from the outside world, and accessing it only through publicly exposed methods is known as data_____

- a. Polymorphism
- b. Encapsulation.
- c. Inheritance.
- d. Duplication.

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

9)

1 point

Which of following statement(s) is/are not FALSE?

- a. Instance methods can access instance variables and instance methods directly.
- b. Instance methods cannot access class variables and class methods directly.
- c. Class methods can access class variables and class methods directly.
- d. Class methods cannot access instance variables or instance methods directly—they must use an object reference.

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.
c.
d.

10)

1 point

Which of the following statement(s) is/are not TRUE?

- a. A final method can be overridden in a subclass.
- b. The advantage of private static methods is that they can be reused later if you need to reinitialize the class variable.
- c. Class methods can use this keyword as there is instance for this to refer to.
- d. A final method cannot be overridden in a subclass.

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

c.

X



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How does an
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Week 0 :
Assignment
0 ()

Week 1 : ()

Week 2 : ()

Week 3 : ()

Week 4 : ()

Lecture 16 :
Demonstration-
VII (unit?
unit=38&lesson=39)

Lecture 17 :
Packages-I
(unit?
unit=38&lesson=40)

Lecture 18 :
Packages-II
(unit?
unit=38&lesson=41)

Assignment 4

The due date for submitting this assignment has passed.

Due on 2021-02-17, 23:59 IST.

As per our records you have not submitted this assignment.

1)

1 point

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

- a. The default package in the Java language is java.lang.
- b. String is a final class and it is present in java.lang package.
- c. Runnable is a class present in java.lang package.
- d. Thread is a class present in java.lang package.

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

- a.
- b.
- c.
- d.

2)

1 point

<input type="radio"/> Lecture 19 : Demonstration-VIII (unit? unit=38&lesson=42)	Which of the following statement(s) is/are false?
<input type="radio"/> Lecture 20 : Interface-I (unit? unit=38&lesson=43)	a. With the import statement, generally import only a single package member or an entire package. b. To import all the types contained in a particular package, use the import statement with the asterisk (*) wildcard character. <code>import package.*;</code> c. <code>import package.A*</code> ; it used to match a subset of the classes in a package starts with "A". d. <code>import package.A*</code> ; it generates compilation error.
<input type="radio"/> Quiz: Assignment 4 (assessment? name=148)	<input type="radio"/> a. <input type="radio"/> b. <input type="radio"/> c. <input checked="" type="radio"/> d.
<input type="radio"/> Week 4 : Q1 (/noc21_cs03/progassignment? name=143)	No, the answer is incorrect. Score: 0
<input type="radio"/> Week 4 : Q2 (/noc21_cs03/progassignment? name=144)	Accepted Answers: c.
<input type="radio"/> Week 4 : Q3 (/noc21_cs03/progassignment? name=145)	3) Which of the following is/are class(es) of <code>java.awt</code> package?
<input type="radio"/> Week 4: Q4 (/noc21_cs03/progassignment? name=146)	a. CardLayout b. Checkbox c. Choice d. MenuContainer
<input type="radio"/> Week 4: Q5 (/noc21_cs03/progassignment? name=147)	<input type="checkbox"/> a. <input type="checkbox"/> b. <input type="checkbox"/> c. <input type="checkbox"/> d.
<input type="radio"/> Feedback For Week 4 (unit? unit=38&lesson=44)	No, the answer is incorrect. Score: 0
Week 5 : ()	Accepted Answers: a. b. c.
Week 6 : ()	
Week 7 : ()	
Week 8 : ()	4) For which purpose packages are used in Java? 1 point
Week 9 : ()	a. Categorizes data b. Organizing java classes into namespaces c. For faster compilation d. None
Week 10 : ()	
Week 11 : ()	
Week 12 : ()	<input type="radio"/> a. <input type="radio"/> b. <input type="radio"/> c.
Assignment Solution ()	

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**SET-I
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Exam ()**

**SET-II
Unproctored
Exam ()**

**Programming
Exam Oct
2021 (First
Session):
(10.00AM -
12:00PM). ()**

**Programming
Exam Oct
2021
(Second
Session):
(8.00PM -
10:00PM). ()**

**SET-I
Unproctored
Exam Jan-
2022 ()**

**SET-II
Unproctored
Exam Jan
2022 ()**

d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

5)

0 points

Which of the following is/are false?

- 1) Every class is a part of some package.
 - 2) All classes in a file are part of the same package.
 - 3) If no package is specified, the classes in the file go into a special unnamed package.
 - 4) If no package is specified, a new package is created with folder name of class and the class is put in this package.
- a. Only 1, 2 and 3
 b. Only 3 and 4
 c. Only 1 and 3
 d. Only 3

a.

b.

c.

d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

c.

d.

6)

1 point

Which of the following statement(s) is (are) Not CORRECT regarding an interface in Java?

- a. An interface can contain only abstract methods and standard methods but no static methods are allowed.
- b. Method bodies in an interface doesn't exist for default methods and abstract methods.
- c. An interfaces cannot be instantiated but can be implemented by classes.
- d. An interfaces cannot be instantiated but can be extended by other interfaces.

a.

b.

c.

d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

b.

7)

1 point

How Java Runtime Environment (JRE) knows where to look for a package that you create?

- a. It searches in the current directory.
- b. It searches in the location set in the CLASSPATH environment variable.
- c. A user can set the path during runtime using the -classpath option.
- d. Using the -path option, a user can set the path.

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

- a.
- b.
- c.

8)

1 point

Which of the following is/are correct regarding packages in Java?

- a. Java supports both pre-defined and user-defined packages.
- b. Packages are used to organize a set of related classes and interfaces.
- c. Pre-defined packages help to develop programs easily by providing thousands of classes.
- d. Packages are used to organize only a set of related classes and not interfaces.

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

- a.
- b.
- c.

9)

1 point

Consider the program given below.

```
import static java.lang.System.*;
public class Question{
    public static void main(String args[])
    {
        out.println("JAVA");
    }
}
```

What will be the output if the above program is executed?

- a. It will give compile-time error
- b. It will give run-time error
- c. JAVA
- d. JAV

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

10)

1 point

Consider the program given below.

```
import java.lang.Math.*;
public class Main{
    public static void main(String args[])
    {
        System.out.println(PI*0.5);
    }
}
```

What will be the output if the above program is executed?

- a. It will give compile-time error
- b. It will give run-time error
- c. 1.0
- d. 3.14

- a.
- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

X



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Course outline

How does an
NPTEL
online
course
work? ()

Week 0 :
Assignment
0 ()

Week 1 : ()

Week 2 : ()

Week 3 : ()

Week 4 : ()

Week 5 : ()

Lecture 21 :
Interface-II
(unit?
unit=45&lesson=46)

Lecture 22 :
Demonstration-
IX (unit?
unit=45&lesson=47)

Lecture 23 :
Exception
Handling-I

Assignment 5

The due date for submitting this assignment has passed.

Due on 2021-02-24, 23:59 IST.

As per our records you have not submitted this assignment.

1) All interface methods are implicitly

1 point

- 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

2)

1 point

If a class, say B inherits from a class, say A, then which of the following statement is true?

- a. A data but not method if it is declared in A cannot be declared in B.
- b. A method but not data if it is declared in A cannot be declared in B.
- c. Both data and method declared in A can be declared in B.
- d. Neither data nor method once declared in A cannot be declared in B.

- a

(unit?
unit=45&lesson=48)

- b
- c
- d

Lecture 24 :
Exception
Handling-II
(unit?
unit=45&lesson=49)

No, the answer is incorrect.
Score: 0

Accepted Answers:
c

Lecture 25 :
Exception
Handling-III
(unit?
unit=45&lesson=50)

3) All interface methods must not be?

1 point

- a. public
- b. static
- c. final
- d. abstract

Quiz:
Assignment 5
(assessment?
name=149)

- a
- b
- c
- d

Week 5: Q1
(/noc21_cs03/progassignment?
name=151)

No, the answer is incorrect.
Score: 0

Week 5: Q2
(/noc21_cs03/progassignment?
name=152)

Accepted Answers:

b

(/noc21_cs03/progassignment?
name=153)

c

Week 5: Q4
(/noc21_cs03/progassignr
name=154)

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

0 points

Week 5: Q5
(/noc21_cs03/progassignr
name=155)

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

Feedback For
Week 5 (unit?
unit=45&lesson=51)

- a
- b
- c
- d

Week 6 : ()

Week 7 : ()

Week 8 : ()

No, the answer is incorrect.
Score: 0

Week 9 : ()

Accepted Answers:
c

Week 10 : ()

5)

1 point

Week 11 : ()

Week 12 : ()

Assignment Solution ()

DOWNLOAD VIDEOS ()

Text Transcripts ()

Live Interactive Session ()

SET-I Unproctored Exam ()

SET-II Unproctored Exam ()

Programming Exam Oct 2021 (First Session): (10.00AM - 12:00PM). ()

Programming Exam Oct 2021 (Second Session): (8.00PM - 10:00PM). ()

SET-I Unproctored Exam Jan-2022 ()

SET-II Unproctored Exam Jan 2022 ()

Suppose A and B are two classes. Then which of the following statements is true?

- a. class D extends A, B { ... }
- b. class D implements A implements B { ... }
- c. class D implements A, B { ... }
- d. class D implements A extends B { ... }
- e. None of the above

a
 b
 c
 d
 e

No, the answer is incorrect.

Score: 0

Accepted Answers:

e

6)

1 point

Which of the following best describes the inheritance in Java?

- a. A sub class can access all the methods in the base class.
- b. A sub class can access all data in the base class.
- c. A sub class can access both data and methods in the base class.
- d. A sub class not necessarily can access all data and all methods in the base class.

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

7)

1 point

If a derived class object is created, which constructor is called first?

- a. Base class constructor is called first and then the derived class constructor.
- b. Derived class constructor is called first and then the base class constructor.
- c. Only derived class constructor is called.
- d. Only base class constructor is called.

a

- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

8) All variables defined in an interface should be 1 point

- a. public
- b. static
- c. final
- d. None of the above

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

b

c

9) 1 point

Which of the following is true, for a derived class C when A and B are two interfaces?

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

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

10) 0 points

Which of the following is not true so far the inheritance with interfaces is concerned?

- a. An interface can extends one or more other interfaces.
- b. An interface cannot implements another interface or class.
- c. An class can inherit from multiple interfaces at the same level
- d. An interface can inherit from multiple interfaces at the same level

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a
b
c
d

X



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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 : ()

Lecture 26 :
Demonstration-
X (unit?
unit=52&lesson=53)

Lecture 27 :
Multithreading-
I (unit?
unit=52&lesson=54)

Assignment 6

The due date for submitting this assignment has passed.**Due on 2021-03-03, 23:59 IST.****As per our records you have not submitted this assignment.**

1)

1 point**Which of the following is a correct constructor for a thread object?**

- a. Thread(Runnable a, String str);
- b. Thread(Runnable a, int priority);
- c. Thread(Runnable a, ThreadGroup t);
- d. Thread(int priority);

 a b c d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

2)

1 point

- Lecture 28 : Multithreading-II (unit? unit=52&lesson=55)
- Lecture 29 : Demonstration-XI (unit? unit=52&lesson=56)
- Lecture 30 : I-O Stream-I (unit? unit=52&lesson=57)
- Quiz: Assignment 6 (assessment? name=150)

The following is a simple program using the concept of thread.

```
public class Question extends Thread{
    public void run(){
        for(int i=1;i<5;i++){
            System.out.println(i++);
        }
    }
    public static void main(String args[]){
        Question t1=new Question();
        t1.run();
    }
}
```

- Week 6 : Q1 (/noc21_cs03/progassignment? name=157)
- Week 6 : Q2 (/noc21_cs03/progassignment? name=156)
- Week 6 : Q3 (/noc21_cs03/progassignment? name=158)
- Week 6 : Q4 (/noc21_cs03/progassignment? name=159)
- Week 6 : Q5 (/noc21_cs03/progassignment? name=160)

- a. 1
3
- b. 1
2
3
- c. Runtime error
- d. 1
2

- a
- b
- c
- d

- Week 6 : Q1 New (/noc21_cs03/progassignment? name=180)
- No, the answer is incorrect.
Score: 0
Accepted Answers:
a

- Week 6 : Q2 New (/noc21_cs03/progassignment? name=174)
 - Week 6 : Q3 New (/noc21_cs03/progassignment? name=175)
 - Week 6 : Q4 New (/noc21_cs03/progassignment? name=176)
- 3) Which of the following will contain the body of the thread? **1 point**
- a. run();
 - b. start();
 - c. stop();
 - d. main();

Week 6 : Q5

New

(/noc21_cs03/progassignment?
name=177)

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

 Feedback For

Week 6 (unit?

unit=52&lesson=58)

4)

1 point

For the program given below, what will be the output after its execution?

```
public class Main{
    public static void main(String[] args) {
        Thread thread=Thread.currentThread();
        System.out.println(thread.activeCount());
    }
}
```

Week 7 : ()**Week 8 : ()****Week 9 : ()****Week 10 : ()****Week 11 : ()****Week 12 : ()****Assignment
Solution ()****DOWNLOAD
VIDEOS ()****Text
Transcripts ()****Live
Interactive
Session ()****SET-I
Unproctored
Exam ()****SET-II
Unproctored
Exam ()****Programming
Exam Oct
2021 (First
Session):
(10.00AM -
12:00PM). ()****Programming
Exam Oct
2021
(Second**

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

5)

1 point

Which of these keyword(s) is used to manually throw an exception?

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

6)

1 point

Session):
(8.00PM -
10:00PM). ()

SET-I
Unproctored
Exam Jan-
2022 ()

SET-II
Unproctored
Exam Jan
2022 ()

Which of the following can be used to create an instance of Thread?

- a. By implementing the Runnable interface.
- b. By extending the Thread class.
- c. By creating a new class named Thread and calling method run().
- d. By importing the Thread class from package.

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a
b

7)

1 point

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

- a. public int getId(): returns the id of the thread.
- b. public boolean isAlive(): tests if the thread is alive.
- c. public void interrupt(): interrupts the thread.
- d. public boolean isInterrupted(): tests if the thread has been interrupted.

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a
b
c
d

8)

1 point

What is the output of the following program?

```
public class Question
{
    public static void main(String[] args) {

        try {
            int a=5/0;

        } catch (Exception e) {

        } catch (ArithmaticException a) {

        }

        System.out.println("Hello World");
    }
}
```

- a. Hello World
- b. 5
- c. Compile time error
- d. ArithmaticException

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

9)

1 point

Which of the following is NOT a method of the Thread class in Java?

- a. isInterrupted()
- b. interrupt()
- c. joins()
- d. sleep()

- a
- b
- c

d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

10)

1 point

Which one of these keywords must be used to handle the exception thrown by try block in some rational manner?

- a. try
- b. finally
- c. throw
- d. catch

 a b c d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

X



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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 : ()

Lecture 31 : I-
 O Stream-II
(unit?
unit=59&lesson=60)

Lecture 32 : I-
 O Stream-III

Assignment 7

The due date for submitting this assignment has passed.**Due on 2021-03-10, 23:59 IST.****As per our records you have not submitted this assignment.****1) Which of the following is/are NOT Standard Stream(s)?****1 point**

- a. System.in
- b. System.out
- c. System.err
- d. System.console

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

2)**1 point**

(unit?
unit=59&lesson=61)

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

- a. In unbuffered I/O, each read or write request is handled directly by the underlying OS.
- b. Buffered input streams read data from a memory area known as a buffer; the native input API is called only when the buffer is empty.
- c. Buffered output streams write data to a buffer, and the native output API is called only when the buffer is full.
- d. In buffered I/O scheme, each read or write request often triggers disk access, network activity.

- a
- b
- c
- d

Quiz:
Assignment 7
(assessment?
name=166)

No, the answer is incorrect.
Score: 0

Accepted Answers:
d

Week 7 : Q1
(/noc21_cs03/progassignment?
name=161) 3)

1 point

Which of the following streams contains the classes which can work on byte stream?

Week 7 : Q2
(/noc21_cs03/progassignment?
name=162) a. InputStream
b. OutputStream
c. FileReader
d. FileWriter

Week 7: Q4
(/noc21_cs03/progassignment?
name=164) a
 b
 c
 d

Week 7: Q5
(/noc21_cs03/progassignment?
name=165) No, the answer is incorrect.
Score: 0

Feedback For
Week 7 (unit?
unit=59&lesson=65)
Accepted Answers:
a
b

Week 8 : ()

4) **1 point**

Week 9 : ()

In which Java APIs the classes for handling all IO-streams are defined?

Week 10 : ()

- a. java.lang
- b. java.util
- c. java.io
- d. java.awt

Week 11 : ()

- a

Week 12 : ()

**Assignment
Solution ()**

- b
- c
- d

**DOWNLOAD
VIDEOS ()**

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

5)

1 point

**Text
Transcripts ()**

**Live
Interactive
Session ()**

**SET-I
Unproctored
Exam ()**

**SET-II
Unproctored
Exam ()**

**Programming
Exam Oct
2021 (First
Session):
(10.00AM -
12:00PM). ()**

- b
- c
- d

Which of the following statements is/ are true?

- a. While you are creating an instance of File class, and if you do not use the file naming according to the convention of the local machine, the constructor will throw an exception of class IOException.
- b. A File object can be opened for both reading and writing simultaneously.
- c. When you create an object of Fileclass for writing, if the corresponding file does not exist on the local file system, then it will be created.
- d. Closing operation of a File object never faces any run-time error and hence need not to be placed under try-catch block.

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

c

d

6)

1 point

**Programming
Exam Oct
2021
(Second
Session):
(8.00PM -
10:00PM). ()**

**SET-I
Unproctored
Exam Jan-
2022 ()**

**SET-II
Unproctored
Exam Jan
2022 ()**

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

- a. DataStreams detects an end-of-file condition by using EOFException, instead of testing for an invalid return value.
- b. DataStreams uses floating point numbers to represent monetary values.
- c. Data streams support I/O of primitive data types.
- d. Object streams support I/O of objects.

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a
b
c
d

7)

1 point

Which of the following statement(s) is/are true for RandomAccessFile object?

- a. It can allow to open a file both in read and write mode.
- b. It can allow to store the data fields of any object and then reading the same.
- c. The seek(0) method of the object place the file pointer at the beginning of the file.
- d. It cannot be used to read a network line.

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a
b
c

8)

1 point

Which of the following syntax(s) is/are valid?

- a. *.abc – Matches all strings that end in .abc.
- b. ??? – Matches all strings with exactly three letters or digits.
- c. *[0-9]* – Matches all strings containing 0 or 9 only.
- d. b?*.doc – Matches any string beginning with b, followed by at least one letter or digit, and ending with .doc

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a
b
d

9)

1 point

Which of the following interface(s) is/are member(s) of `java.io` package?

- a. FileFilter
- b. ObjectInput
- c. Runnable
- d. Flushable

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a
b
d

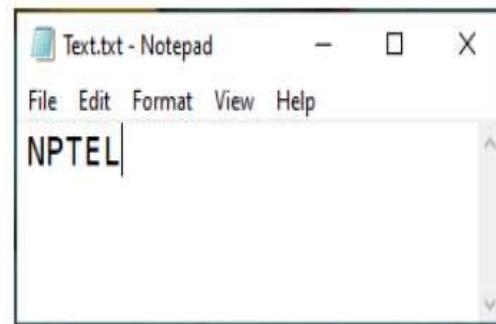
10)

1 point

```
import java.io.*;

public class Question7{
    public static void main(String[]args){
        try{
            InputStream file =new FileInputStream("./Text.txt");
            System.out.print(file.available());
        }
        catch(Exception e){
            System.out.print(e);
        }
    }
}
```

The file **./Text.txt** when opened with the Notepad text editor, it shows the content as shown below.



Which of the following is the correct output for the 'try' portion of the code?

- a. Prints the number of characters in the file.
- b. Prints 'true', if the file is present; else prints 'false'.
- c. Prints nothing, as an exception will be caught.
- d. Prints the number of bytes in the file.

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

X



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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 : ()

Lecture 36 :
Applet
Programming--
III (unit?
unit=66&lesson=67)

Assignment 8

The due date for submitting this assignment has passed.

Due on 2021-03-17, 23:59 IST.

As per our records you have not submitted this assignment.

1)

1 point

Which of the following statement(s) is/are NOT true?

- a. An applet can extend the java.applet.Applet class or the java.swing.JApplet class.
- b. The java.applet.Applet class extends the java.awt.Panel class and enables you to use the GUI tools in the AWT package.
- c. The java.swing.JApplet class is a subclass of java.applet.Applet that also enables you to use the Swing GUI tools.
- d. An applet can make network connections to any host on the Internet

- a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

2)

1 point

Which of the following is NOT a class of java.awt package?

- a. Button
- b. Component
- c. Dialog
- d. Paint

- a

Lecture 37 :
Demonstration-XIII (unit?
unit=66&lesson=68)

- b
- c
- d

Lecture 38 :
Demonstration-XIV (unit?
unit=66&lesson=69)

No, the answer is incorrect.
Score: 0
Accepted Answers:
d

Lecture 39 :
AWT
Programming—I (unit?
unit=66&lesson=70)

- 3) **Which of the following statement(s) is/are correct?**
- a. AWT components are platform-independent.
b. AWT follows the MVC (Model View Controller).
c. Swing components are platform-dependent.
d. Swing follows MVC (Model View Controller).

1 point

Lecture 40 :
AWT
Programming—II (unit?
unit=66&lesson=71)

- a
- b
- c
- d

Quiz:
Assignment 8
(assessment?
name=167)

Java Week 8:
Q1
(/noc21_cs03/progassignment
name=168)

No, the answer is incorrect.
Score: 0

Accepted Answers:
d

Java Week 8:
Q2
(/noc21_cs03/progassignm
name=169)

4) **When we invoke `repaint()` for a `java.awt.Component` object, the AWT invokes which of the following method ?**

1 point

- a. draw()
b. show()
c. update()
d. paint()

Java Week 8:
Q3
(/noc21_cs03/progassignm
name=170)

- a
- b
- c
- d

Java Week 8:
Q4
(/noc21_cs03/progassignm
name=171)

- a
- b
- c
- d

Java Week 8:
Q5
(/noc21_cs03/progassignm
name=172)

No, the answer is incorrect.
Score: 0

Accepted Answers:
c

Feedback For
Week 8 (unit?
unit=66&lesson=72)

5)

1 point

Week 9 : ()

Week 10 : ()

Week 11 : ()

Which package provides many event classes and Listener interfaces for event handling?

Week 12 : ()

- a. java.awt
- b. java.lang
- c. java.io
- d. java.util

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

1 point

DOWNLOAD VIDEOS ()**Text Transcripts ()****Live Interactive Session ()****SET-I Unproctored Exam ()****SET-II Unproctored Exam ()****Programming Exam Oct 2021 (First Session): (10.00AM - 12:00PM). ()****Programming Exam Oct 2021 (Second Session): (8.00PM - 10:00PM). ()****SET-I Unproctored Exam Jan-2022 ()****SET-II Unproctored Exam Jan 2022 ()**

What is the name of the method used to get the timestamp of an event in AWT ActionEventClass ?

- a. getWhen().
- b. getModifiers().
- c. paramString().
- d. getActionCommand().

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

1 point

Which is/are used to create a Frame?

1. By creating the object of Frame class (association)
2. By extending Frame class (inheritance)

- a. Only 1
- b. Only 2
- c. Both
- d. None

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

8)

1 point

Which of the following methods is called only once during the run time of an applet?

- a. stop()
- b. paint()
- c. init()
- d. destroy()

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

9)

1 point

Which of the following methods can be used to change the size of a `java.awt.Component` object?

- (A) dimension()
- (B) setSize()
- (C) area()
- (D) size()
- (E) resize()

- a. (A), (B), (C) & (E)
- b. (D) & (E)
- c. (A), (B) & (E)
- d. (B) & (E)

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

10)

1 point

The APPLET tag is used to start an applet from both an HTML document and from an applet viewer.

- a. True
- b. False
- c. APPLET tag is not mandatory in both cases
- d. None of the above

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

X



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Course outline

**How does an
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work? ()**

**Week 0 :
Assignment
0 ()**

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Week 3 : ()

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Week 5 : ()

Week 6 : ()

Week 7 : ()

Week 8 : ()

Week 9 : ()

Lecture 41 :
Demonstration-

Assignment 9

The due date for submitting this assignment has passed.**Due on 2021-03-24, 23:59 IST.****As per our records you have not submitted this assignment.**

1)

1 point**Select the correct statement(s) in the following.**

- a. JTextField cannot be used as an alternative to JLabel.
- b. JLabel cannot be used as an alternative to JTextField.
- c. Button grouped radio button can be used as an alternative to JComboBox.
- d. The class JPasswordField extends the class JLabel.

- a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

- b
c

2)

In Java AWT, TextArea and TextField are subclass of:**1 point**

- a. List.
- b. Label.
- c. TextComponent.
- d. TextComponent and Label, respectively.

XV (unit?
unit=73&lesson=74)

- a
- b
- c
- d

Lecture 42 :
AWT
Programming--
III (unit?
unit=73&lesson=75)

No, the answer is incorrect.
Score: 0

Lecture 43 :
Swing—I
(unit?
unit=73&lesson=76)

Accepted Answers:

c

3)

1 point

Analyze the following code.

```
import java.awt.*;
import javax.swing.*;
public class Test {
    public static void main(String[] args) {
        JFrame frame = new JFrame("My Frame");
        frame.add(new JButton("Cancel"));
        frame.add(new JButton("OK "));
        frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        frame.setSize(200, 200);
        frame.setVisible(true);
    }
}
```

Which button will be displayed(or can be seen by user)?

- a. OK
- b. Cancel
- c. both
- d. None

Week 9 : Q1
(/noc21_cs03/progassignment?
name=195)

- a
- b
- c
- d

Week 9 : Q2
(/noc21_cs03/progassignment?
name=194)

No, the answer is incorrect.
Score: 0

Week 9 : Q3
(/noc21_cs03/progassignment?
name=196)

Accepted Answers:

a

Week 9 : Q5
(/noc21_cs03/progassignment?
name=199)

4)

1 point

In **JLabel(Icon, int)** method/constructor, the int argument specifies the horizontal alignment of the label's contents within its drawing area.

Which of the following is/are not a valid constants for horizontal alignment?

- a. RIGHT
- b. LEADING
- c. TRAILING
- d. TOP

Feedback For
Week 9 (unit?
unit=73&lesson=79)

Week 10 : ()

Week 11 : ()

Week 12 : ()

- a
- b
- c

Assignment Solution ()

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Programming Exam Oct 2021 (First Session): (10.00AM - 12:00PM). ()

Programming Exam Oct 2021 (Second Session): (8.00PM - 10:00PM). ()

SET-I Unproctored Exam Jan-2022 ()

SET-II Unproctored Exam Jan 2022 ()

d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

5)

1 point

Which of the following is/ are not related with keyboard event?

- a. ClassKeyEvent is used to notify if any key pressed occurs or not.
- b. The KeyListener should be added either in init() or the main method.
- c. RequestFocus should be added either in init() or the main method.
- d. The class InputEvent should be imported explicitly in the program.

a

b

c

d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

6)

1 point

Which of the following Listener(s) is/are supported by button (Swing component)?

- a. ActionListener
- b. ChangeListener
- c. ItemListener
- d. WindowListener

a

b

c

d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

b

c

7)

1 point

Which of the following Listener Interface does not have an Adapter Class?

- a. ActionListener
- b. ChangeListener
- c. ComponentListener
- d. ItemListener

- a
- b
- c
- d

No, the answer is incorrect.
Score: 0

Accepted Answers:

- a
- b
- d

8)

1 point

To set a FlowLayout in a panel, say jp, which of the following method(s) that you can not use?

- a. jp.setLayout(new FlowLayout());
- b. jp.setLayout(new FlowLayout.FlowLayout.CENTER));
- c. jp.setLayout(new FlowLayout(FlowLayout.CENTER));
- d. jp.setLayout(FlowLayout());

- a
- b
- c
- d

No, the answer is incorrect.
Score: 0

Accepted Answers:

- c
- d

9)

1 point

Which of the following is/are interface(s) in javax.swing package?

- a. MenuElement
- b. BoxLayout
- c. JComponent
- d. Scrollable

- a
- b
- c
- d

No, the answer is incorrect.
Score: 0

Accepted Answers:

- a
- d

10)

1 point

Which package provides many methods for graphics programming?

- a. java.awt
- b. java.Applet
- c. java.Graphics
- d. java.io

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

X



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0 ()

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Week 5 : ()

Week 6 : ()

Week 7 : ()

Week 8 : ()

Week 9 : ()

Week 10 : ()

Assignment 10

The due date for submitting this assignment has passed.

Due on 2021-03-31, 23:59 IST.

As per our records you have not submitted this assignment.

1)

1 point

Which of the following statement(s) is/are NOT true?

- a. URL is the acronym for Uniform Resource Locator.
- b. A URL takes the form of a string that describes how to find a resource on the Internet.
- c. URLs have two main components: the protocol needed to access the resource and the location of the resource.
- d. The URL class is present in the java.io package.

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

2)

1 point

Which of the following package contains classes and interfaces for networking?

- a. java.io
- b. java.util
- c. java.net
- d. javax.swing

- a

<input type="radio"/> Lecture 46 : Demonstration-XVII (unit? unit=80&lesson=81)	<input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	No, the answer is incorrect. Score: 0 Accepted Answers: c	
<input type="radio"/> Lecture 47 : Demonstration-XVIII (unit? unit=80&lesson=82)		3)	1 point
<input type="radio"/> Lecture 48 : Networking with Java (unit? unit=80&lesson=83)	a. TCP b. Internet Control Message Protocol c. UDP d. Internet Protocol (IP)	In the following, which are the protocol follows connection oriented service?	
<input type="radio"/> Lecture 49 : Demonstration-XIX (unit? unit=80&lesson=84)	<input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	No, the answer is incorrect. Score: 0 Accepted Answers: a	
<input type="radio"/> Lecture 50 : JDBC—I (unit? unit=80&lesson=85)		4)	1 point
<input type="radio"/> Quiz: Assignment 10 (assessment? name=201)		Which of the following statement(s) is(are) NOT true?	
<input type="radio"/> Week 10 : Q1 (/noc21_cs03/progassignment? name=189)	a. TCP is a reliable but slow. b. UDP is not reliable but fast. c. File Transfer Protocol (FTP) is a standard Internet protocol for transmitting files between computers on the Internet over TCP/IP connections. d. In HTTP, all communication between two computers are encrypted.		
<input type="radio"/> Week 10 : Q2 (/noc21_cs03/progassignment? name=190)			
<input type="radio"/> Week 10 : Q3 (/noc21_cs03/progassignment? name=191)			
<input type="radio"/> Week 10 : Q4 (/noc21_cs03/progassignment? name=192)			
<input type="radio"/> Week 10: Q5 (/noc21_cs03/progassignment? name=193)	No, the answer is incorrect. Score: 0 Accepted Answers: d		
<input type="radio"/> Feedback For Week 10 (unit? unit=80&lesson=86)		5)	1 point
Week 11 : ()	In the socket programming, for an IP address, which can be used to find the host name and IP address of a client/ server?		
Week 12 : ()	a. The ServerSocket class b. The Socket class c. The InetAddress class d. The Connection interface		

Assignment Solution ()

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

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SET-I Unproctored Exam Jan-2022 ()

SET-II Unproctored Exam Jan 2022 ()

6)

1 point

Which of these is a protocol for breaking and sending packets to an address across a network?

- a. TCP/IP
- b. DNS
- c. Socket
- d. Proxy Server

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

7)

1 point

In the following URL, identify the protocol identifier?

<https://nptel.ac.in:8080/course.php>

- a. https
- b. nptel.ac.in
- c. //nptel.ac.in:80/course.php
- d. 8080

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

8)

1 point

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

- a. isLoopback(): it indicates if the network interface is a loopback interface.
- b. isPointToPoint(): it indicates if the networkinterface is a point-to-point interface.
- c. isVirtual(): it indicates if the network interface is a virtual interface.
- d. isUP() : it indicates the network interface is running.

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

- a
- b
- c
- d

9)

1 point

Once a JDBC driver has been registered, which of the following method is used to make a database connection?

- a. getConnection(String url, String userID, String password)
- b. setConnection(String url, String userID, String password)
- c. Connect(String url, String userID, String password)
- d. Any one of the above.

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

- a

10)

1 point

Which of the following best describes about JDBC?

- a. JDBC works like a bridge connecting a Java application to a RDBMS, execute SQL commands and return results to the application.
- b. JDBC is a software component, which is both network and database independent.
- c. JDBC should be installed in the same machine from where the Java application will run.
- d. JDBC should be installed in the same server that of the database.

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

X



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work? ()**

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Week 3 : ()

Week 4 : ()

Week 5 : ()

Week 6 : ()

Week 7 : ()

Week 8 : ()

Week 9 : ()

Week 10 : ()

Week 11 : ()

Assignment 11

The due date for submitting this assignment has passed.**Due on 2021-04-07, 23:59 IST.****As per our records you have not submitted this assignment.****1)****1 point****Which of the following statement(s) is/are TRUE?**

- a. Statement: Used to implement simple SQL statements with no parameters.
- b. PreparedStatement: Used for pre-compiling SQL statements that might contain input parameters.
- c. CallableStatement: Used to execute stored procedures that may contain both input and output parameters.
- d. The SELECT statement specifies which columns to include in the result set.

 a b c d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

b

c

d

2)**1 point**

Lecture 51 :
 JDBC—II
(unit?
 unit=87&lesson=88)

Lecture 52 :
 JDBC—III
(unit?
 unit=87&lesson=89)

Lecture 53 :
 Demonstration
 —XX (unit?
 unit=87&lesson=90)

Lecture 54 :
 Demonstration
 —XXI (unit?
 unit=87&lesson=91)

Lecture 55 :
 Demonstration
 —XXII (unit?
 unit=87&lesson=92)

Quiz:
Assignment
11
(assessment?
name=202)

Java Week 11
 : Q1
(/noc21_cs03/progassignment?
 name=203)

Java Week 11
 : Q2
(/noc21_cs03/progassignment?
 name=204)

Java Week 11
 : Q3
(/noc21_cs03/progassignment?
 name=205)

Java Week 11
 : Q4
(/noc21_cs03/progassignment?
 name=206)

Java Week 11
 : Q5
(/noc21_cs03/progassignment?
 name=207)

Feedback For
 Week 11 (unit?
 unit=87&lesson=93)

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

- a. The default ResultSet type is TYPE_FORWARD_ONLY.
- b. The default ResultSet type is TYPE_SCROLL_SENSITIVE.
- c. The default ResultSet type is TYPE_SCROLL_INSENSITIVE.
- d. The default ResultSet type is CONCUR_READ_ONLY.

- a
- b
- c
- d

No, the answer is incorrect.
Score: 0

Accepted Answers:

a

3)

1 point

As with Statement objects, to execute a PreparedStatement object, it need to be call an execute statement.Which of the following statement(s) is/are true regarding this?

- a. executeQuery: if the query returns only one ResultSet (such as a SELECT SQL statement).
- b. executeUpdate : if the query does not return a ResultSet (such as an UPDATE SQL statement).
- c. execute : if the query might return more than one ResultSet object.
- d. executeUpdateQuery : if the query does return a ResultSet (such as an UPDATE SQL statement).

- a
- b
- c
- d

No, the answer is incorrect.
Score: 0

Accepted Answers:

b

c

4)

1 point

Which of the following statement(s) is/are true, when the return value for executeUpdate is 0 ?

- a. The statement executed was an update statement that affected zero rows.
- b. The statement executed was a DDL statement.
- c. The statement executed was an update statement that affected one row.
- d. The statement executed was a DCL statement.

- a
- b

Week 12 : ()

- c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

- a
b

5)

1 point**Which of the following class/interface is NOT related to database management in Java?**

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

- a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

- a

6)

1 point**Once a JDBC driver has been registered, which of the following method is used to make a database connection?**

- a. getConnection(String url, String userID, String password)
b. setConnection(String url, String userID, String password)
c. Connect(String url, String userID, String password)
d. Any one of the above.

- a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

- a

7)

1 point**The SQL command “USE test” implies, which of the following?**

- a. List all the databases those are there in the database server.
b. List all the tables those are there under the database.
c. Create a table called test.
d. Set test as the current working database, so that any SQL command bind to the test database only.

- a

- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

8)

1 point

What happens after execution of the following code?

```
import java.sql.*;
class InsertPrepared{
    public static void main(String args[]){
        try{
            Class.forName("com.mysql.jdbc.Driver");
            Connection con=DriverManager.getConnection(
                "jdbc:mysql://localhost/database","Java","july");
            PreparedStatement stmt=con.prepareStatement("INSERT INTO
table VALUES (?,?)");
            stmt.setInt(1,"Joe");
            stmt.setString(2,"Dan");
            stmt.executeUpdate();
            con.close();
        }
        catch(Exception e){
            System.out.println(e);
        }
    }
}
```

- a. Compilation error
- b. Runtime error
- c. 1, "Joe" is replaced by 2, "Dan"
- d. "Joe" and "Dan" both are inserted in different columns of same row.

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

9)

1 point

How do you know in your Java program that a SQL warning is generated as a result of executing a SQL statement in the database?

- a. You must catch the checked SQLException which is thrown by the method which executes the statement.
- b. You must catch the unchecked SQLWarningException which is thrown by the method which executes the statement.
- c. You must invoke the getWarnings() method on the Statement object (or a sub interface thereof).
- d. You must query the ResultSet object about possible warnings generated by the database.

- a
- b
- c

d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

10) **Which one of the following is a class in package java.sql?** *1 point*

- a. Timestamp
- b. Driver
- c. Connection
- d. ResultSet

 a b c d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

X



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Week 5 : ()

Week 6 : ()

Week 7 : ()

Week 8 : ()

Week 9 : ()

Week 10 : ()

Week 11 : ()

Assignment 12

The due date for submitting this assignment has passed.**Due on 2021-04-14, 23:59 IST.****As per our records you have not submitted this assignment.**

1)

1 point

Execution of SQL command like `SELECT * FROM myTable` using JDBC program will return a `ResultSet` object. This object is

- a. Same as the `myTable`.
- b. All records in verbatim from the table.
- c. All records in verbatim from the table but those records with null values.
- d. All records in verbatim from the table but those records are not with null values.

- a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

2)

1 point

Which of the following control expressions are not valid for an `if` statement?

- a. Any integer expression.
- b. Any Boolean expression.
- c. A String object.
- d. Any expression with mixed arithmetic.

- a

Week 12 : ()

- b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

- c
d

3)

1 point

Let's consider the following program in Java.

```
class Test extends Thread {
    public void run() {
        System.out.println("I am from Run..."); }
}
```



```
class MyProgram {
    public static void main(String[] args) {
        Test t = new Test();
        t.start(); }}
```

If you run this program the how many threads will be executed altogether?

- a. One thread only.
b. Two threads only.
c. Three threads only.
d. No thread will run in this case.

Week 12 : Q1
(/noc21_cs03/progassignment
name=208)

Week 12 : Q2
(/noc21_cs03/progassignment
name=211)

- a
 b
 c
 d

Week 12 : Q3
(/noc21_cs03/progassignment
name=209)

No, the answer is incorrect.
Score: 0

Week 12 : Q4
(/noc21_cs03/progassignment
name=210)

4)

1 point

Which of the statements are correct about Swing programming?

- a. AWT is a heavyweight programming.
b. Swing is heavyweight programming.
c. Swing is lightweight programming.
d. Both AWT and Swing are lightweight programming

Assignment Solution ()

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**Live
Interactive
Session ()**

**SET-I
Unproctored
Exam ()**

**SET-II
Unproctored
Exam ()**

**Programming
Exam Oct
2021 (First
Session):
(10.00AM -
12:00PM). ()**

**Programming
Exam Oct
2021
(Second
Session):
(8.00PM -
10:00PM). ()**

**SET-I
Unproctored
Exam Jan-
2022 ()**

**SET-II
Unproctored
Exam Jan
2022 ()**

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

5)

1 point

Which of the following displays components row-by-row in the order in which they were added to the JFrame?

- a. CardLayout
- b. FlowLayout
- c. BorderLayout
- d. GridLayout

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

6)

1 point

Consider the following piece of code in Java.

```
public class Test {
    public static void aMethod() throws Exception {
        try {
            throw new Exception();
        }
        finally {
            System.out.print("finally ");
        }
    }
    public static void main(String args[]){
        try {
            aMethod();
        }
        catch (Exception e) {
            System.out.print("exception ");
        }
        System.out.print("finished ");
    }
}
```

What is the result, if the above-mentioned program is executed?

- a. finally
- b. exception finished
- c. exception finally finished
- d. finally exception finished
- e. Compilation fails

- a
- b
- c
- d
- e

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

7)

1 point

Consider the following program:

```
public class Question
{
    public static void main(String[] args) {
        String str = "january java nptel.";
        System.out.println(str.charAt(8)+str.substring(9, 12));
    }
}
```

What is the output of the following program?

- a. j ava
- b. iava
- c. javanptel
- d. january

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

8)

1 point

Which of the following statements would cause a compilation error?

- a. float[] = new float(3);
- b. float f2[] = new float[];
- c. float[] f1 = new float[3];
- d. float f3[] = new float[3];
- e. float f5[] = { 1.0f, 2.0f, 2.0f };
- f. float f4[] = new float[] { 1.0f, 2.0f, 3.0f};

- a
- b
- c

- d
- e
- f

No, the answer is incorrect.

Score: 0

Accepted Answers:

- a
- b

9)

1 point

Consider the following program:

```
public class Question
{
    public static void main(String[] args) {
        String str = "april java nptel.";
        System.out.println(str.length());
    }
}
```

What is the output of the following program?

- a. 16
- b. 15
- c. 19
- d. 17

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

- d

10)

1 point

Which of the following method is used to set a frame, say f with size 200 × 300 pixels?

```
JFrame f = new JFrame();
a. f.setSize(300, 200);
b. f.setSize(200, 300);
c. f.paint(300, 200);
d. f.setVisible(300, 200);
```

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b