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

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Course outline

How does an
NPTEL
online
course
work? ()

Week 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)

Lecture 05 :
Java Applet
Programming

Week 1 : Assignment 1

The due date for submitting this assignment has passed.

Due on 2021-08-18, 23:59 IST.

As per our records you have not submitted this assignment.

1)

1 point

Which of the following cannot be used for a variable name in Java?

- a. identifier
- b. case
- c. malloc
- d. calloc

a.

b.

c.

d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

2) **Which of the following is an incorrect array declaration?**

1 point

- a. int[] b = new int[10];
- b. int [] b;
- c. int[][] b = new int[10];
- d. int[][] b = {{7, 2, 4, 6}, {9, 8, 5}};

a.

(unit?
unit=17&lesson=22)

- b.
- c.
- d.

Quiz: Week 1 : Assignment 1 (assessment? name=126)

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

Week 1 : Programming Assignment 1 (/noc21_cs56/progassignment? name=129)

When you compile a program written in the Java programming language, the compiler converts the human-readable source file into platform-independent code that a Java Virtual Machine can understand. What is this platform-independent code called?

- 3) **a. Source code
b. Bytecode
c. Machinecode
d. Opcode**

1 point

Week 1 : Programming Assignment 2 (/noc21_cs56/progassignment? name=130)

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

Week 1 : Programming Assignment 3 (/noc21_cs56/progassignment? name=132)

No, the answer is incorrect.
Score: 0

Accepted Answers:

b.

Week 1 : Programming Assignment 4 (/noc21_cs56/progassignment? name=133)

4) **1 point**

Which of the following is/are TRUE regarding the string array provided as a parameter to the main method in Java?

- a. It can be used to get command line arguments from the user.
b. It is mandatory to name the string array as 'args'.
c. Only one command line argument input is allowed at a time.
d. Both b and c.

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

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

Week 2 : ()

Week 3 : ()

Week 4 : ()

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

Week 5 : ()

Week 6 : ()

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

Week 7 : ()

Week 8 : ()

5) **1 point**

[Week 9 : \(\)](#)[Week 10 : \(\)](#)[Week 11 : \(\)](#)[Week 12 : \(\)](#)[Assignments
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2021 \(First
Session\):
\(10.00AM -
12.00PM\). \(\)](#)[Programming
Exam Oct
2021
\(Second
Session\):
\(8.00PM -
10.00PM\). \(\)](#)

Consider the following program.

```
public class Question{
    public static void main(String args[]){
        for(int b=2;b<3;b+=2){
            System.out.print(b+++b);
        }
    }
}
```

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

- a. 5
- b. 2
- c. 4
- d. 1

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

6)

1 point

Following is a piece of code where some parts of a statement is missing:

```
public class Question3{
    public static void main(String args[]){
        char nptel[]={'J','A','V','A','N','P','T','E','L'};
        System.out.print(_____);
    }
}
```

In the following, some options are given. You have to choose the correct option for the argument in `System.out.print()` function to print the second and the last characters in the array nptel.

- a. nptel[nptel.length-1] + nptel[1]
- b. nptel[1] + nptel[nptel.length-1]
- c. "" + nptel[1] + nptel[nptel.length-1]
- d. "" + nptel[nptel.length-1] + nptel[1]

- a.
- b.
- c.

d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

7)

1 point

What is the output of this program?

```
public class Question {  
    public static void main(String args[]) {  
        int i = 5;  
        System.out.print(--i * 5);  
    }  
}
```

- a. 20
- b. 25
- c. 32
- d. 31

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

8)

1 point

Which of the following is used to find and fix bugs in the Java programs?

- a. JVM
- b. JRE
- c. JDK
- d. JDB

- a.
- b.
- c.

d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

9)

1 point

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

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

 a. b. c. d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

c.

10)

1 point

Which of the following features are common in both Java and C++?

- a. The class declaration.
- b. The access modifiers.
- c. The encapsulation of data and methods.
- d. Multiple inheritance from class

 a. b. c. d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

b.

c.

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Week 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)

Week 2 : Assignment 2

The due date for submitting this assignment has passed.

Due on 2021-08-18, 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 = '8';
        int b=010;
        System.out.println(a+b);
    }
}
```

- a. 88
- b. 8010
- c. 64
- d. 810

- a.
-
-
-

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

2)

1 point

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

Quiz: Week 2 : Assignment 2 (assessment? name=127)

Week 2 : Programming Assignment 1 (/noc21_cs56/progassignment? name=153)

Week 2 : Programming Assignment 2 (/noc21_cs56/progassignment? name=151)

Week 2 : Programming Assignment 3 (/noc21_cs56/progassignment? name=154)

Week 2 : Programming Assignment 4 (/noc21_cs56/progassignment? name=155)

Week 2 : Programming Assignment 5 (/noc21_cs56/progassignment? name=156)

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

Week 3 : ()

Week 4 : ()

Week 5 : ()

Week 6 : ()

Week 7 : ()

Week 8 : ()

Which of the following is generate API documentation in HTML format from Java source code?

- a. javac
- b. javadoc
- c. javap
- d. java

- a.
-
-
-

No, the answer is incorrect.
Score: 0

Accepted Answers:

- b.
- 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', 'n', 'p', 't',
        'e', 'l', 'j', 'a', 'v', 'a', };
        char[] copyTo = new char[9];
        System.arraycopy(copyFrom, 3, copyTo, 0, 9);
    }
}
```

What will be the output of the above program?

- a. javanptel
- b. npTELjava
- c. janjavantanptel
- d. janNPTELjava

- a.
-
-
-

No, the answer is incorrect.
Score: 0

Accepted Answers:

- b.

- 4)

1 point

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Exam Oct
2021
\(Second
Session\):
\(8.00PM -
10.00PM\). \(\)](#)

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 : jannpTEL
javanpTEL
nptelnptel
- b. A : jan java npTEL jan 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. print() prints and then appends a line break.
- c. println() prints in a single line only and multiple lines cannot be printed.
- d. println() prints and then appends a line break.

- a.

- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

6)

1 point

What was the initial name of Java when it was first developed for embedded systems?

- a. Greentalk
- b. Oak
- c. Java
- d. Javac

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

7)

1 point

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

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

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

8)

1 point

Following is a program given for this question.

```
public class Question
{
    public static void main(String[] args) {
        boolean m=Integer.valueOf(0).equals(Long.valueOf(1));
        System.out.println(m);
    }
}
```

What will be the output of the above program?

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

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

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++%2;
        int m = ++i%7;
        System.out.println(i+n+m);
    }
}
```

- a. 14
- b. 12
- c. 15
- d. 17

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

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Course outline**How does an
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work? ()****Week 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-
VI (unit?
unit=31&lesson=35)

Week 3 : Assignment 3

The due date for submitting this assignment has passed.**Due on 2021-08-25, 23:59 IST.****As per our records you have not submitted this assignment.**

1)

1 point

- Lecture 15 : Information Hiding (unit? unit=31&lesson=36)
- Quiz: Week 3 : Assignment 3 (assessment? name=128)
- Week 3 : Programming Assignment 1 (/noc21_cs56/progassignr name=145)
- Week 3 : Programming Assignment 2 (/noc21_cs56/progassignr name=144)
- Week 3 : Programming Assignment 3 (/noc21_cs56/progassignr name=146)
- Week 3 : Programming Assignment 4 (/noc21_cs56/progassignr name=150)
- Week 3 : Programming Assignment 5 (/noc21_cs56/progassignr..... name=147)
- Feedback For Week 3 (unit? unit=31&lesson=37)

Consider the following piece of code in Java.

```
class A {
    public int i;
    protected int j;
}
class B extends A
{
    void display()
    {
        super.j = super.i + 1;
        System.out.println(super.i + " " + super.j);
    }
}
public class inheritance
{
    public static void main(String args[])
    {
        B obj = new B();
        obj.i=2;
        obj.j=2;
        obj.display();
    }
}
```

What is the output of the above program?

- a. 2 3
- b. 3 3
- c. Runtime Error
- d. Compilation Error

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

Week 4 : ()

No, the answer is incorrect.
Score: 0

Week 5 : ()

Accepted Answers:

a.

Week 6 : ()

2)

1 point

Week 7 : ()

Week 8 : ()

Week 9 : ()

[Week 10 : \(\)](#)[Week 11 : \(\)](#)[Week 12 : \(\)](#)[Assignments Solution \(\)](#)[Lecture Material \(\)](#)[DOWNLOAD VIDEOS \(\)](#)[Text Transcripts \(\)](#)[Books \(\)](#)[Programming Exam Oct 2021 \(First Session\): \(10.00AM - 12.00PM\). \(\)](#)[Programming Exam Oct 2021 \(Second Session\): \(8.00PM - 10.00PM\). \(\)](#)

Consider the following piece of code in Java.

```
public class Question
{
    public static int x = 7;
    public static void main(String[] args) {
        Question a = new Question();
        Question b = new Question();
        a.x = 2;
        b.x = 3;
        System.out.println(a.x+b.x++Question.x);
    }
}
```

What is the output of the above program?

- a. 6
- b. 10
- c. 21
- d. error

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

No, the answer is incorrect.
Score: 0

Accepted Answers:
b.

3) Which of these keywords are used to define an abstract class? **1 point**

- a. abst
- b. abstract
- c. Abstract
- d. abstract class

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

No, the answer is incorrect.
Score: 0

Accepted Answers:
b.

4)

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.

5)

1 point

Consider the following piece of code in Java

```
class Men
{
    int walkingDistance(int weight)
    {
        System.out.println(10);
        return 10;
    }
}
class WildMen extends Men
{
    void walkingDistance(int weight)
    {
        System.out.println("20");
    }
}
public class MethodOverriding3
{
    public static void main(String[] args)
    {
        WildMen wc = new WildMen();
        wc.walkingDistance(30);
    }
}
```

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

- a. 10
- b. 20
- c. 30
- d. It will give compile-time error

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

No, the answer is incorrect.
Score: 0

Accepted Answers:

d.

- 6) **All the variables of interface should be?**

1 point

- a. default and final
- b. default and static
- c. public, static and final
- d. protect, static and final

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

7)

1 point

Advantage(s) of inheritance in Java programming is/are

- a. Code readability
- b. two classes (base and inherited class) get tightly coupled
- c. Code maintainability
- d. Code reusability

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.
c.
d.

8) **When does method overloading is determined?**

1 point

- a. At run time
- b. At compile time
- c. At coding time
- d. At execution time

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

9)

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 true for given code?

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

a.
 b.
 c.
 d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

- c.
- d.

10)

1 point

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 inside a **method**.

a.
 b.
 c.
 d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

- c.

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Course outline

**How does an
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Week 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)

Lecture 19 :
Demonstration-

Week 4 : Assignment 4

The due date for submitting this assignment has passed.**Due on 2021-09-01, 23:59 IST.****As per our records you have not submitted this assignment.****1)****1 point****Which of these is a mechanism for naming and visibility control of a class and its content?**

- a. Objects.
- b. Interfaces.
- c. Packages.
- d. Both a and b.

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

2)**1 point****Which of the following is false statement about packages in java?**

- a. Packages are used to organize a set of related classes and interfaces.
- b. Packages are used for preventing naming conflicts.
- c. Packages provide code reusability.
- d. Packages cannot be considered as data encapsulation.

- a.
- b.

VIII (unit?
unit=38&lesson=42)

- c.
- d.

○ Lecture 20 :
Interface-I
(unit?
unit=38&lesson=43)

No, the answer is incorrect.

Score: 0

Accepted Answers:
d.

○ Quiz: Week 4
: Assignment
4
(assessment?
name=135)

3)

1 point

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

- a. CardLayout
- b. Checkbox
- c. Choice
- d. MenuContainer

○ Week 4 :
Programming
Assignment 1
(/noc21_cs56/progassignment?
name=175)

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

○ Week 4 :
Programming
Assignment 2
(/noc21_cs56/progassignment?
name=176)

No, the answer is incorrect.
Score: 0

Accepted Answers:
d.

○ Week 4 :
Programming
Assignment 3
(/noc21_cs56/progassignment?
name=177)

1 point

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

- 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. `Cloneable` is a class present in `java.lang` package.
- d. `Thread` is a class present in `java.lang` package.

○ Week 4 :
Programming
Assignment 5
(/noc21_cs56/progassignment?
name=179)

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

○ Feedback For
Week 4 (unit?
unit=38&lesson=44)

No, the answer is incorrect.
Score: 0

Accepted Answers:
c.

Week 5 : ()

5)

1 point

Week 6 : ()

Week 7 : ()

Week 8 : ()

Week 9 : ()

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Exam Oct
2021
\(Second
Session\):
\(8.00PM -
10.00PM\). \(\)](#)

Consider the program given below.

```
import static java.lang.Math.*;
public class Main{
    public static void main(String args[]){
        System.out.println(cos(2*PI));
    }
}
```

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:

c.

6)

1 point

Which of the following packages is used to include utility classes like Calendar, Collections, and Date?

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

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

7) Which of the following statement(s) is/are false? 1 point

- a. Comparable interface is present in java.lang package
- b. Iterator interface is present in java.util package.
- c. Compare() is a method used in Comparable interface.
- d. Serializable interface is present in java.io package.

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

8) 1 point

Which of the following is/are valid declaration(s) of an interface?

a. public interface Question {
 void method(int value) {
 System.out.println("Nptel");
 }
}

b. public interface Question {
 void method(int value) {

 }
}

c. public interface Question {

}

d. public interface Question {
 default void method(int value) {
 System.out.println("Nptel");
 }
}

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

- b.
- c.
- d.

9)

1 point

Which of the following is false statement about interface in java?

- a. An interface can extend other interfaces.
- b. The interface body can contain abstract methods, default methods, and static methods.
- c. All constant values defined in an interface are implicitly public, static, and final.
- d. A static method in an interface are implicitly private.

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

- d.

10)

1 point

Which of these access specifier(s) can be used for an interface?

- a. Public
- b. Protected
- c. Private
- d. Both b and c

- 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 : ()

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
(unit?
unit=45&lesson=48)

Week 5 : Assignment 5

The due date for submitting this assignment has passed.

Due on 2021-09-01, 23:59 IST.

As per our records you have not submitted this assignment.

1) Which of the following is **not true** about **throw** 1 point

- a. Throw is used inside a function
- b. Throw can be used to declare multiple exception
- c. Throw is followed by an instance.
- d. Throw is a keyword

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

2)

1 point

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

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

Quiz: Week 5
: Assignment
5
(assessment?
name=136)

Week 5 :
Programming
Assignment 1
(/noc21_cs56/progassignment?
name=157)

Week 5 :
Programming
Assignment 2
(/noc21_cs56/progassignment?
name=158)

Week 5 :
Programming
Assignment 3
(/noc21_cs56/progassignment?
name=159)

Week 5 :
Programming
Assignment 4
(/noc21_cs56/progassignment?
name=160)

Week 5 :
Programming
Assignment 5
(/noc21_cs56/progassignment?
name=161)

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

Week 6 : ()

Week 7 : ()

Week 8 : ()

Week 9 : ()

Which of the following is not true about custom exception in java?

- a. class Exception extends Exp {
 public Exception () {super ();}
 public Exception (String s) {super(s);}
}
- b. class Exception extends Exp{
 Exception(String s){
 super(s);
 }
}
- c. public class Exception extends Exp {
 public Exception(String s) {
 super(s);
 }
}
- d. class Exception extends Exp {
 public Exception () {super ();}
}

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

3) Which of the following is not a property of tagged interface? 1 point

- a. Serializable
- b. Cloneable
- c. Remote
- d. Cascading

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

| | |
|---|--|
| <p>Week 10 : ()</p> <hr/> <p>Week 11 : ()</p> <hr/> <p>Week 12 : ()</p> <hr/> <p>Assignments Solution ()</p> <hr/> <p>Lecture Material ()</p> <hr/> <p>DOWNLOAD VIDEOS ()</p> <hr/> <p>Text Transcripts ()</p> <hr/> <p>Books ()</p> <hr/> <p>Programming Exam Oct 2021 (First Session): (10.00AM - 12.00PM). ()</p> <hr/> <p>Programming Exam Oct 2021 (Second Session): (8.00PM - 10.00PM). ()</p> | <p>4) Which of the following is not an exception in Java? 1 point</p> <ul style="list-style-type: none"> a. SQLException b. ArrayIndexOutOfBoundsException c. OutOfMemoryError d. StackOverflow <p><input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d</p> <p>No, the answer is incorrect. Score: 0</p> <p>Accepted Answers: <i>d</i></p> <p>5) Which of the following is type of Java Exception? 1 point</p> <ul style="list-style-type: none"> a. unchecked b. checked c. a & b d. error <p><input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d</p> <p>No, the answer is incorrect. Score: 0</p> <p>Accepted Answers: <i>c</i></p> <p>6) Which of the following keywords is not a part of exception handling? 1 point</p> <ul style="list-style-type: none"> a. try b. throws c. throw d. thrown <p><input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d</p> <p>No, the answer is incorrect. Score: 0</p> <p>Accepted Answers: <i>d</i></p> |
|---|--|

7) Which of the option is correct regarding multiple catch blocks? **1 point**

- a. The subclass exception cannot be caught at first.
- b. The superclass exception cannot be caught at first.
- c. The subclass exception must be caught at last.
- d. The superclass exception must be caught at first.

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

8) **1 point**

When an array element is accessed beyond the array size, then which exception occurs

- a. ArrayElementOutOfBound
- b. ArrayIndexOutOfBound
- c. ArraySizeOutOfBound
- d. None of the above

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

9) **1 point**

What is the output of this program?

```
class ExceptionHandling{
    public static void main(String args[ ]){
        try{
            int num1, num2;
            num1=5;
            num2=num1/0;
            System.out.print("A");
        }
        catch(ArithmaticException e) {
            System.out.print("0");
        }
        finally {
            System.out.print("B");
        }
    }
}
```

- a. 0
- b. A
- c. 0
- d. 0B

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

10)

1 point

When does an exception occur?

- a. During the time of compilation of a Java program.
- b. During the time of execution of a Java program.
- c. Anytime, that is, during compilation and execution of a program.
- d. At the end of execution of a Java program, if there is an exception.

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

X



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**How does an
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work? ()**

Week 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)

Lecture 28 :
Multithreading-

Week 6 : Assignment 6

The due date for submitting this assignment has passed.**Due on 2021-09-08, 23:59 IST.****As per our records you have not submitted this assignment.****1)****1 point****Which of the following is NOT a method of the Thread class in Java?**

- a. public void run()
- b. public void exit()
- c. public void start()
- d. public final int getPriority()

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

*b***2)****1 point****Which of the following statement is true in case of starting a thread with 'run()' and 'start()' method?**

- a. There is no difference between starting a thread with 'run()' and 'start()' method.
- b. When you call start() method, main thread internally calls run() method to start newly created Thread
- c. When you call run() method directly no new Thread is created and code inside run() will execute on current Thread.
- d. None

| | | | |
|--|--|---|----------------|
| II (unit? unit=52&lesson=55) | <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | No, the answer is incorrect. Score: 0 | |
| ○ Lecture 29 : Demonstration- XI (unit? unit=52&lesson=56) | | Accepted Answers: <i>b</i> | |
| ○ Lecture 30 : I- O Stream-I (unit? unit=52&lesson=57) | | 3) | 1 point |
| ○ Quiz: Week 6 : Assignment 6 (assessment? name=137) | | | |
| ○ Week 6 : Programming Assignment 1 (/noc21_cs56/progassignment? name=194) | <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d | | |
| ○ Week 6 : Programming Assignment 2 (/noc21_cs56/progassignment? name=205) | | No, the answer is incorrect. Score: 0 | |
| ○ Week 6 : Programming Assignment 3 (/noc21_cs56/progassignment? name=206) | | Accepted Answers: <i>a</i> <i>b</i> | 1 point |
| ○ Week 6 : Programming Assignment 4 (/noc21_cs56/progassignment? name=203) | | | |
| ○ Week 6 : Programming Assignment 5 (/noc21_cs56/progassignment? name=204) | | | |
| ○ Feedback For Week 6 (unit? unit=52&lesson=58) | | | |

Week 7 : ()**Week 8 : ()****Week 9 : ()**

[Week 10 : \(\)](#)[Week 11 : \(\)](#)[Week 12 : \(\)](#)[Assignments
Solution \(\)](#)[Lecture
Material \(\)](#)[DOWNLOAD
VIDEOS \(\)](#)[Text
Transcripts \(\)](#)[Books \(\)](#)[Programming
Exam Oct
2021 \(First
Session\):
\(10.00AM -
12.00PM\). \(\)](#)[Programming
Exam Oct
2021
\(Second
Session\):
\(8.00PM -
10.00PM\). \(\)](#)**What is the output of the following program?**

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

        try {
            int a=5/0;
            System.out.print("a ");
        } catch (ArithmaticException ae) {

            System.out.print("ArithmaticException ");
        }catch (Exception e) {
            System.out.print(" Exception ");
        }
        System.out.print("Hello World");
    }
}
```

- a. Hello World
- b. ArithmaticException
- c. ArithmaticException Exception Hello World
- d. ArithmaticException Hello World
- e. none

a
 b
 c
 d
 e

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

5) Which method restarts a dead thread**1 point**

- a. start()
- b. restart()
- c. restartThread()
- d. none

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

6)

1 point

Assume the following method is properly synchronized and called from a thread A on an object B: wait(2000); After calling this method, when will the thread A become a candidate to get another turn at the CPU?

- a. After thread A is notified, or after two seconds.
- b. Two seconds after thread A is notified.
- c. After the lock on B is released, or after two seconds.
- d. Two seconds after lock B is released.

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

7)

1 point

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();
    }
}
```

What is the output of the above program?

- a. 1
3
- b. 1
2
3
4
- c. Runtime error
- d. 2
4

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

8)

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.print(thread.activeCount());  
        thread.run();  
        System.out.print(thread.activeCount());  
    }  
}
```

- a. 01
- b. False True
- c. True True
- d. 11

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

9)

1 point**Which of the following is/are not 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:

b
c
d

10)

1 point

Which exception is thrown when an array element is accessed beyond the array size?

- a. `ArrayElementOutOfBoundsException`
- b. `ArrayIndexOutOfBoundsException`
- c. `ArrayIndexOutOfBoundsException`
- d. None of these

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

X



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Course outline

**How does an
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work? ()**

Week 0 : ()

Week 1 : ()

Week 2 : ()

Week 3 : ()

Week 4 : ()

Week 5 : ()

Week 6 : ()

Week 7 : ()

Week 7 : Assignment 7

The due date for submitting this assignment has passed.

Due on 2021-09-15, 23:59 IST.

As per our records you have not submitted this assignment.

1)

1 point

What will be output for the following code?

```
import java.io.*;
public class Question
{
    public static void main(String args[])
    {
        File obj = new File("/Nptel/java");
        System.out.print(obj.getName());
    }
}
```

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

a. java

b. Nptel

c. Nptel/java

d. /Nptel/java

Lecture 32 : I-
O Stream-III
(unit?
unit=59&lesson=61)

a

b

Lecture 33 :
Demonstration-XII (unit?
unit=59&lesson=62)

- c
 d

No, the answer is incorrect.
Score: 0

Lecture 34 :
Applet
Programming - I (unit?
unit=59&lesson=63)

Accepted Answers:

a

2)

1 point

Which of the following is/are NOT member(s) of java.io package?

Lecture 35 :
Applet
Programming - II (unit?
unit=59&lesson=64)

- a. ObjectFilter
b. FileFilter
c. FilenameFilter
d. ObjectInput

Quiz: Week 7
: Assignment
7
(assessment?
name=138)

- a
 b
 c
 d

Week 7 :
Programming
Assignment 1
(/noc21_cs56/progassignment?
name=180)

No, the answer is incorrect.
Score: 0

Accepted Answers:

a

Week 7 :
Programming
Assignment 2
(/noc21_cs56/progassignment?
name=181)

3) **Which of these class is not a member class of java.io package?** **1 point**

- a. Writer
b. FileReader
c. StringWriter
d. String

Week 7 :
Programming
Assignment 3
(/noc21_cs56/progassignment?
name=182)

- a
 b
 c
 d

Week 7 :
Programming
Assignment 4
(/noc21_cs56/progassignment?
name=183)

No, the answer is incorrect.
Score: 0

Accepted Answers:

d

Week 7 :
Programming
Assignment 5
(/noc21_cs56/progassignment?
name=184)

4) Which method is used to write an array of byte to the current output stream?

Feedback For
Week 7 (unit?
unit=59&lesson=65)

- a. public void write(int b)throws IOException
b. public void write(byte[] b)throws IOException
c. public void flush()throws IOException
d. public void close()throws IOException

1 point

Week 8 : ()

- a

Week 9 : ()

- b
- c
- d

Week 10 : ()

No, the answer is incorrect.

Score: 0

Accepted Answers:

*b***Week 11 : ()****Assignments
Solution ()****Lecture
Material ()****DOWNLOAD
VIDEOS ()****Text
Transcripts ()****Books ()****Programming
Exam Oct
2021 (First
Session):
(10.00AM -
12.00PM). ()****Programming
Exam Oct
2021
(Second
Session):
(8.00PM -
10.00PM). ()****5) In java, how many standard streams are available? 1 point**

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

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

*b***6) Which of the following method in java.io package help in clearing the contents of the buffer? 1 point**

- a. flush()
- b. clear()
- c. append()
- d. exit()

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

*a***7) 1 point**

Which method of RandomAccessFile class reads a line from the file and returns it as a String ?

- a. WriteInt().
- b. readLine()
- c. readInt()
- d. WriteDouble()

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

8) **Which of the following is/are valid method(s) in class File? 1 point**

- a. isFile()
- b. IsFile()
- c. IsDirectory()
- d. isAbsolute()

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

d

9) **1 point**

Which of the following is/are Not interface(s) of `java.io` package?

- a. FileReader
- b. ObjectInput
- c. ObjectOutput
- d. DataInput

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

10)

1 point

```
import java.io.*;

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

            PrintWriter writer = new PrintWriter(System.out);

            writer.write(97);

            writer.close();
        }
        catch (Exception e) {
            System.out.println(e);
        }
    }
}
```

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. a
- d. 97

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

X



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**How does an
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work? ()**

Week 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)

Lecture 37 :
Demonstration

Week 8 : Assignment 8

The due date for submitting this assignment has passed.**Due on 2021-09-22, 23:59 IST.****As per our records you have not submitted this assignment.****1) Which of the following is NOT a class of java.awt package? 1 point**

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

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

2) 1 point**Which of the following is/are NOT an exception of java.awt package?**

- a. AWTError
- b. AWTException
- c. FontFormatException
- d. all of these

- a
- b

| | |
|--|---|
| - XIII (unit? unit=66&lesson=68) | <input type="radio"/> c <input checked="" type="radio"/> d |
| ○ Lecture 38 : Demonstration - XIV (unit? unit=66&lesson=69) | No, the answer is incorrect. Score: 0 Accepted Answers: a |
| ○ Lecture 39 : AWT Programming - I (unit? unit=66&lesson=70) | 3) Which of the following method is/are a class button of java.awt package ? |
| ○ Lecture 40 : AWT Programming - II (unit? unit=66&lesson=71) | a. paint(Graphics g) b. setLabel(String label) c. getCurrent() d. getItem(int index) |
| ○ Quiz: Week 8 : Assignment 8 (assessment? name=139) | <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input checked="" type="radio"/> d |
| ○ Week 8 : Programming Assignment 1 (/noc21_cs56/progassignment1)? name=162) | No, the answer is incorrect. Score: 0 Accepted Answers: b |
| ○ Week 8 : Programming Assignment 2 (/noc21_cs56/progassignment2)? name=163) | Which of the following container does not contain titlebar and menubar ? |
| ○ Week 8 : Programming Assignment 3 (/noc21_cs56/progassignment3)? name=164) | a. window b. panel c. container d. frame |
| ○ Week 8 : Programming Assignment 4 (/noc21_cs56/progassignment4)? name=165) | <input type="radio"/> a <input type="radio"/> b <input checked="" type="radio"/> c <input type="radio"/> d |
| ○ Week 8 : Programming Assignment 5 (/noc21_cs56/progassignment5)? name=166) | No, the answer is incorrect. Score: 0 Accepted Answers: b |
| ○ Feedback For Week 8 (unit? unit=66&lesson=72) | 5) Which package provides many event classes and Listener interfaces for event handling? |
| | a. java.awt.activeevent b. java.awt.event c. java.awt.listener d. none of these |
| | <input type="radio"/> a |

Week 9 : ()

- b
- c
- d

Week 10 : ()

No, the answer is incorrect.

Score: 0

Accepted Answers:

*b***Week 11 : ()****6)****1 point****What is the name of the method used to get the current font of an graphic in java.awt.graphics?**

- a. abstract FontMetrics getFontMetrics(Font f)
- b. abstract Font getFont()
- c. FontMetrics getFontMetrics()
- d. None of these

- a
- b
- c
- d

Lecture Material ()

No, the answer is incorrect.

Score: 0

Accepted Answers:

*b***Text Transcripts ()****7)****1 point****Which of the following method remove all items from scrolling list in java.awt.list?**

- a. hide()
- b. clear()
- c. remove()
- d. None

- a
- b
- c
- d

Programming Exam Oct 2021 (First Session): (10.00AM - 12.00PM). ()

No, the answer is incorrect.

Score: 0

Accepted Answers:

*b***8)****1 point****Which of the following statement is true about the update() in java.awt package?**

- a. Sets the color of the graphics context to be the foreground color of this component.
- b. Calls this component's paint method to completely redraw this component.
- c. Clears this component by filling it with the background color.
- d. All of these.

- a

- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

9)

1 point

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

- a. `dimension()`
- b. `setSize()`
- c. `area()`
- d. `size()`
- e. `resize()`

- a
- b
- c
- d
- e

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

10)

1 point

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

- a. `show()`
- b. `draw()`
- c. `paint()`
- d. `repaint()`

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

X



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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 : ()****Week 6 : ()****Week 7 : ()****Week 8 : ()****Week 9 : ()**

Lecture 41 :
Demonstration-
XV (unit?
unit=73&lesson=74)

Week 9 : Assignment 9

The due date for submitting this assignment has passed.**Due on 2021-09-29, 23:59 IST.****As per our records you have not submitted this assignment.**

1)

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

- a. CellEditor
- b. Action
- c. Box
- d. Scrollable

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

- a
- b
- d

2)

1 point**Which of the following Listener(s) is/are not supported by frame (Swing component)?**

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

- a

| | | |
|--|--|---|
| <input type="radio"/> Lecture 42 : AWT Programming-- III (unit? unit=73&lesson=75) | <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d | No, the answer is incorrect. Score: 0 |
| <input type="radio"/> Lecture 43 : Swing Programming - I (unit? unit=73&lesson=76) | | Accepted Answers: a b c |
| <input type="radio"/> Lecture 44 : Swing Programming - II (unit? unit=73&lesson=77) | 3) | 1 point |
| <input type="radio"/> Quiz: Week 9 : Assignment 9 (assessment? name=140) | | What is/are not a listener in context to event handling? |
| | | a. A listener is a variable that is notified when an event occurs b. A listener is a object that is notified when an event occurs c. A listener is a method that is notified when an event occurs d. None of the mentioned |
| <input type="radio"/> Week 9 : Programming Assignment 1 (/noc21_cs56/progassignment? name=208) | <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d | No, the answer is incorrect. Score: 0 |
| <input type="radio"/> Week 9 : Programming Assignment 2 (/noc21_cs56/progassignment? name=190) | | Accepted Answers: a c |
| <input type="radio"/> Week 9 : Programming Assignment 3 (/noc21_cs56/progassignment? name=207) | <input checked="" type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | 4) Give the abbreviation of AWT? 1 point |
| <input type="radio"/> Week 9 : Programming Assignment 4 (/noc21_cs56/progassignment? name=209) | | a. Applet Windowing Toolkit b. Absolute Windowing Toolkit c. Applet Window Toolkit d. Abstract Windowing Toolkit |
| <input type="radio"/> Week 9 : Programming Assignment 5 (/noc21_cs56/progassignment? name=210) | <input checked="" type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d | No, the answer is incorrect. Score: 0 |
| | | Accepted Answers: d |

| | |
|--|---|
| <p><input checked="" type="radio"/> Feedback For Week 9 (unit? unit=73&lesson=79)</p> <hr/> <p>Week 10 : ()</p> <hr/> <p>Week 11 : ()</p> <hr/> <p>Week 12 : ()</p> <hr/> <p>Assignments Solution ()</p> <hr/> <p>Lecture Material ()</p> <hr/> <p>DOWNLOAD VIDEOS ()</p> <hr/> <p>Text Transcripts ()</p> <hr/> <p>Books ()</p> <hr/> <p>Programming Exam Oct 2021 (First Session): (10.00AM - 12.00PM). ()</p> <hr/> <p>Programming Exam Oct 2021 (Second Session): (8.00PM - 10.00PM). ()</p> | <p>5) How many types of controls does AWT support? 1 point</p> <p>a. 17 b. 6 c. 7 d. 8</p> <p><input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d</p> <p>No, the answer is incorrect. Score: 0 Accepted Answers: c</p> <p>6) Which package is not imported for swing components 1 point</p> <p>a. java.awt.*; b. java.util.*; c. javax.swing.*; d. javax.awt.swing.*;</p> <p><input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d</p> <p>No, the answer is incorrect. Score: 0 Accepted Answers: a b d</p> <p>7) 1 point</p> |
|--|---|

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("OK"));
        frame.add(new JButton("Cancel"));
        frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        frame.setSize(200, 200);
        frame.setVisible(true);
    }
}
```

Which button will be displayed?

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

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

8)

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 valid constants for horizontal alignment?

- a. CENTER
- b. LEADING
- c. TRAILING
- d. LEFT

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a
b
c

d

9)

1 point

Which of the following are valid “Method or Constructor” in Setting or Obtaining the Field's Contents?

- a. JTextField()
- b. JTextField(String)
- c. JTextField(String, int)
- d. JTextField(int)

a

b

c

d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

b

c

d

10) **When are the keyboard events fired?**

1 point

- a. When the user manually calls the button
- b. When the user right clicks the mouse
- c. When the user calls the modifier
- d. When the user clicks a key

a

b

c

d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

X



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

≡

Course outline

How does an
NPTEL
online
course
work? ()

Week 0 : ()

Week 1 : ()

Week 2 : ()

Week 3 : ()

Week 4 : ()

Week 5 : ()

Week 6 : ()

Week 7 : ()

Week 8 : ()

Week 9 : ()

Week 10 : ()

Lecture 46 :
Demonstration-

Week 10 : Assignment 10

The due date for submitting this assignment has passed.

Due on 2021-10-06, 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. TCP is not reliable .
- b. UDP is not reliable.
- c. TCP is fast and UDP is slow.
- d. In HTTPS, all communication between two computers are encrypted.

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

- a
- c

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

1 point

- a. DatagramSocket is a UDP endpoint API .
- b. DatagramSocket is a TCP server API .
- c. ServerSocket is a TCP server API.
- d. ServerSocket is a TCP client API.

- a

- XVII (unit?
unit=80&lesson=81)
- b
 c
 d
- No, the answer is incorrect.
Score: 0
Accepted Answers:
a
c
3) 1 point
- Which of the following is/are interface(s) present in java.net package?**
- a. InetAddress
b. URLConnection
c. SocketOptions
d. HttpURLConnection
- a
 b
 c
 d
- No, the answer is incorrect.
Score: 0
Accepted Answers:
c
4) 1 point
- Which of the following statement(s) is/are 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.net package.
- a
 b
 c
 d
- No, the answer is incorrect.
Score: 0
Accepted Answers:
a
b
c
d
- a
 b
 c
 d
- No, the answer is incorrect.
Score: 0
Accepted Answers:
a
b
c
d
- a
 b
 c
 d

Feedback For
Week 10 (unit?
unit=80&lesson=86)

Week 11 : ()

Week 12 : ()

**Assignments
Solution ()**

**Lecture
Material ()**

**DOWNLOAD
VIDEOS ()**

**Text
Transcripts ()**

Books ()

**Programming
Exam Oct
2021 (First
Session):
(10.00AM -
12.00PM). ()**

**Programming
Exam Oct
2021
(Second
Session):
(8.00PM -
10.00PM). ()**

5) In the following URL, identify the Resource name? 1 point

https://nptel.ac.in

- a. https
- b. nptel.ac.in
- c. ac.in
- d. https://nptel.ac.in

a
 b
 c
 d

No, the answer is incorrect.
Score: 0

Accepted Answers:
b

6) Which of the following is/are application layer protocol(s)? 1 point

- a. TCP
- b. UDP
- c. HTTP
- d. FTP

a
 b
 c
 d

No, the answer is incorrect.
Score: 0

Accepted Answers:
c
d

7) 1 point

In the socket programming, for an IP address, which can be used to find the host name and IP address of a client/ server?

- a. The ServerSocket class
- b. The Socket class
- c. The InetAddress class
- d. The Connection interface

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

8)

1 point

Which of the following is/are valid Data Manipulation Language (DML) command(s)?

- a. SELECT
- b. INSERT
- c. UPDATE
- d. ALTER TABLE

a

b

c

d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

b

c

9)

1 point

In JDBC, all raw data types (including binary documents or images) should be read and uploaded to the database as an array of

- a. int
- b. char
- c. byte
- d. String

a

b

c

d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

10)

1 point

The package, which is required to be imported for the JDBC programming?

- a. java.net
- b. java.sql
- c. java.lang
- d. java.io

a

b c d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

X



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Course outline

How does an
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work? ()

Week 0 : ()

Week 1 : ()

Week 2 : ()

Week 3 : ()

Week 4 : ()

Week 5 : ()

Week 6 : ()

Week 7 : ()

Week 8 : ()

Week 9 : ()

Week 10 : ()

Week 11 : ()

Week 11 : Assignment 11

The due date for submitting this assignment has passed.

Due on 2021-10-13, 23:59 IST.

As per our records you have not submitted this assignment.

1) Which of the following is not a JDBC drivers? 1 point

- a. Native – API driver
- b. Thin driver
- c. Network protocol driver
- d. Local Protocol driver

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

2) Which of the following is a JDBC class component? 1 point

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

- a
- b

| | | | |
|--|--|--|----------------|
| <input type="radio"/> Lecture 51 : JDBC—II (unit? unit=87&lesson=88) | <input type="radio"/> c <input type="radio"/> d | No, the answer is incorrect. Score: 0 | |
| <input type="radio"/> Lecture 52 : JDBC—III (unit? unit=87&lesson=89) | | Accepted Answers: <i>b</i> | |
| <input type="radio"/> Lecture 53 : Demonstration —XX (unit? unit=87&lesson=90) | | 3) | 1 point |
| <input type="radio"/> Lecture 54 : Demonstration —XXI (unit? unit=87&lesson=91) | | 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? | |
| <input type="radio"/> Lecture 55 : Demonstration —XXII (unit? unit=87&lesson=92) | | 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. executupdateQuery : if the query does return a ResultSet (such as an UPDATE SQL statement). | |
| <input type="radio"/> Quiz: Week 11 : Assignment 11 (assessment? name=142) | <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d | No, the answer is incorrect. Score: 0 | |
| <input type="radio"/> Week 11 : Programming Assignment 1 (/noc21_cs56/progassignment? name=167) | | Accepted Answers: <i>a</i> <i>b</i> | |
| <input type="radio"/> Week 11 : Programming Assignment 2 (/noc21_cs56/progassignment? name=168) | | 4) | 1 point |
| <input type="radio"/> Week 11 : Programming Assignment 3 (/noc21_cs56/progassignment? name=169) | | Which of the following statement(s) is/are true, when the return value for executeUpdate is 0 ? | |
| <input type="radio"/> Week 11 : Programming Assignment 4 (/noc21_cs56/progassignment? name=170) | | 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. | |
| <input type="radio"/> Week 11 : Programming Assignment 5 (/noc21_cs56/progassignment? name=171) | <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d | No, the answer is incorrect. Score: 0 | |
| | | Accepted Answers: <i>a</i> <i>b</i> | |
| | | 5) | 1 point |

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

Week 12 : ()

Assignments
Solution ()

Lecture
Material ()

DOWNLOAD
VIDEOS ()

Text
Transcripts ()

Books ()

Programming
Exam Oct
2021 (First
Session):
(10.00AM -
12.00PM). ()

Programming
Exam Oct
2021
(Second
Session):
(8.00PM -
10.00PM). ()

Which of the following statement is used for executing a database stored procedure?

- a. Statement
- b. PreparedStatement
- c. CallableStatement
- d. None of these

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

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 SQL type represent getfloat()?

1 point

- a. FLOAT
- b. REAL
- c. INTEGER
- d. DOUBLE

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

X



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Course outline

How does an
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Week 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 : Assignment 12

The due date for submitting this assignment has passed.

Due on 2021-10-20, 23:59 IST.

As per our records you have not submitted this assignment.

1)

1 point

Which statement is true in case of using “this” keyword in a static method?

- a. “this” keyword can be used in static method to access static variables only
- b. “this” keyword can't be used in static method
- c. “this” keyword can be used in static method
- d. None

a

b

c

d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

2)

1 point

Week 12 : ()

Lecture 56 :
Case Study - I
(unit?
unit=94&lesson=95)

Lecture 57 :
Case Study - II
(unit?
unit=94&lesson=96)

Lecture 58 :
Case Study - III
(unit?
unit=94&lesson=97)

Lecture 59 :
Case Study - IV
(unit?
unit=94&lesson=98)

Lecture 60 :
Case Study - V
(unit?
unit=94&lesson=99)

Quiz: Week
12 :
Assignment
12
(assessment?
name=143)

Week 12 :
Programming
Assignment 1
(/noc21_cs56/progassignment?
name=212)

Week 12 :
Programming
Assignment 2
(/noc21_cs56/progassignment?
name=213)

Week 12 :
Programming
Assignment 3
(/noc21_cs56/progassignment?
name=214)

Week 12 :
Programming
Assignment 4
(/noc21_cs56/progassignment?
name=215)

Week 12 :
Programming

State whether the following statements are True or False.

- i) A catch can have comma-separated multiple arguments.**
- ii) Throwing an Exception always causes program termination.**
- a. True, False
- b. False, True
- c. True, True
- d. False, False

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

- 3) **Which of the following contains both date and time?**

1 point

- a. java.io.date
- b. java.sql.date
- c. java.util.date
- d. java.util.dateTime

- a
- b
- c
- d

No, the answer is incorrect.
Score: 0

Accepted Answers:

c

- 4)

1 point

In Graphics class which method is used to draws a rectangle with the specified width and height?

- a. public void drawRect(int x, int y, int width, int height)
- b. public abstract void fillRect(int x, int y, int width, int height)
- c. public abstract void drawLine(int x1, int y1, int x2, int y2)
- d. public abstract void drawOval(int x, int y, int width, int height)

- a
- b

Assignment 5(/noc21_cs56/progassignment?
name=216) c d**Feedback For**Week 12 (unit?
unit=94&lesson=100)

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

Assignments[Solution \(\)](#)

5)

1 point**Which of the following control expressions are valid for an if statement?**

- Any integer expression.
- Any Boolean expression.
- A String object.
- Any expression with mixed arithmetic.

 a b c d**Text**[Transcripts \(\)](#)**Books ()****Programming****Exam Oct****2021 (First****Session):****(10.00AM -****12.00PM). ()**

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

6) Consider the following program:**1 point**

```
String animal = "GOAT";
switch(animal)
{
    break; System.out.println("DOMESTIC");
}
```

Programming**Exam Oct****2021****(Second****Session):****(8.00PM -****10.00PM). ()****What is the output of the Java program given above?**

- No output
- GOAT
- DOMESTIC
- Compiler error

 a b c d

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(7)+str.substring(9, 12));
    }
}
```

What is the output of the following program?

- a. java
- b. ava
- c. y java
- 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 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 ");  
        } finally {  
            System.out.print("finally ");  
        }  
  
        System.out.print("finished ");  
    }  
}
```

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

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

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

10)

1 point

Which is a component in AWT that can contain another components like buttons, textfields, labels etc.?

- a. Window
- b. Container
- c. Panel
- d. Frame

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b