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X



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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 :
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 2020-09-30, 23:59 IST.

Assignment submitted on 2020-09-17, 13:18 IST

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

● Quiz:
Assignment 1
(assessment?
name=154)

○ Java Week
1:Q1
(/noc20_cs58/progassignment?
name=124)

○ Java Week
1:Q2
(/noc20_cs58/progassignment?
name=125)

○ Java Week
1:Q3
(/noc20_cs58/progassignment?
name=126)

○ Java Week
1:Q4
(/noc20_cs58/progassignment?
name=127)

○ Java Week
1:Q5
(/noc20_cs58/progassignment?
name=128)

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

Week 2 : ()

- a.
 b.
 c.
 d.

Week 3 : ()

Partially Correct.
Score: 0.25

Week 4 : ()

Accepted Answers:

- a.
b.
c.
d.

Week 5 : ()

Week 6 : ()

Week 7 : ()

Week 8 : ()

Week 9 : ()

Week 10 : ()

1) Which of the following code fragment(s) is/are true? **1 point**

- a. public class Main
{
 static public void main(String[] argv) {
 System.out.println("Hello World");
 }
}
b. public class Main
{
 static public void main(String[] args) {
 System.out.println("Hello World");
 }
}
c. public class Main
{
 public static void main(String[] args) {
 System.out.println("Hello World");
 }
}
d. public class Main
{
 public static void main(String[] argv) {
 System.out.println("Hello World");
 }
}

2) Which of the following is not a valid comment? **1 point**

- a. /** comment */
b. /* comment */
c. /* comment
d. // comment

Week 11 : ()

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

Week 12 : ()

Solution ()

DOWNLOAD VIDEOS ()

Text Transcripts ()

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

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

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

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

3)

1 pointWhich of the following is **not** an object-oriented programming paradigm?

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

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

4)

1 pointWhich 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.

5)

1 point

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?

- a. Source code
- b. Bytecode
- c. Machinecode
- d. Opcode

a.
 b.
 c.
 d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

6)

1 point

Consider the following program.

```
public class Question{
    public static void main(String args[]){
        for(int a=1;a<2;a+=1){
            System.out.print(a+++"");
        }
    }
}
```

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

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

a.
 b.
 c.
 d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

7)

1 point

Why an array is called “homogeneous collection of data” in Java?

- a. Array cannot store multi-dimensional data.
- b. Array has a limited capacity.
- c. Array can store only one type of data.
- d. Array uses indices for addressing an item.

a.
 b.
 c.
 d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

8)

1 point

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

- a. boolean
- b. final
- c. finally
- d. calloc

a.
 b.
 c.
 d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

9)

1 point

```
public class Main{
    public static void main(String[] args) {
        String str1="NPTEL";
        String str2="java";
        int a=20;
        int b=10;
        System.out.println(str1+a+b); //Statement 1

        System.out.println(a+b+str2); //Statement 2
    }
}
```

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

- a. The output of the Statement 1 is
NPTEL2010
- b. The output of the Statement 1 is
NPTEL30
- c. The output of the Statement 2 is
1020java
- d. The output of the Statement 2 is
30java

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

- a.
- d.

10) What will be the output of the following code?

1 point

```
public class Question{
    public static void main(String args[]){
        if(true){
            System.out.print("Welcome");
        }
        if(1==1){
            System.out.print(" to ");
        }
        if(1){
            System.out.print("NPTEL");
        }
    }
}
```

- a. Welcome
- b. Welcome to
- c. Welcome to NPTEL
- d. Compilation Error

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

X



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Course outline

**How does an
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online
course
work? ()**

**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 2020-09-30, 23:59 IST.****Assignment submitted on 2020-09-28, 20:52 IST**

1)

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.

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

No, the answer is incorrect.
Score: 0

Accepted Answers:

a.

2)

1 point

Quiz:
Assignment 2
(assessment?
name=156)

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

Java Week 2:
Q1
(/noc20_cs58/programassignment?
name=164)

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.

Java Week 2:
Q2
(/noc20_cs58/programassignment?
name=165)

a.

b.

c.

d.

Java Week 2:
Q4
(/noc20_cs58/programassignment?
name=167)

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

Java Week 2:
Q5
(/noc20_cs58/programassignment?
name=168)

3)

1 point

Following is a program given for this question.

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

```
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?

Week 3 : ()

a. javanptel

b. npteljava

c. janjanavanptel

d. janjavapn

Week 4 : ()

a.

b.

c.

d.

Week 5 : ()

Week 6 : ()

Week 7 : ()

Week 8 : ()

Week 9 : ()

Week 10 : ()

Week 11 : ()

No, the answer is incorrect.

Score: 0

Week 12 : ()**Solution ()****DOWNLOAD VIDEOS ()****Text Transcripts ()****Programming Test - (April 11 - 10AM - 12 PM) ()****Programming Test - (April 11 - 8PM - 10 PM) ()****Programming Exam Oct 2021 (First Session): (10.00AM - 12:00PM). ()****Programming Exam Oct 2021 (Second Session): (8.00PM - 10:00PM). ()**

Accepted Answers:

a.

4)

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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

6)

1 point**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

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

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.

Yes, the answer is correct.

Score: 1

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

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.

10)

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.

X



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Course outline

**How does an
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work? ()**

**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 2020-10-07, 23:59 IST.****Assignment submitted on 2020-09-29, 21:46 IST**

1)

1 point**Which of following statement(s) is/are true?**

- 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.

Partially Correct.

Score: 0.66

Accepted Answers:

- a.
c.
d.

2)

1 point

VI (unit?
unit=31&lesson=35)

● Lecture 15 :
Information
Hiding (unit?
unit=31&lesson=36)

● Quiz:
Assignment 3
(assessment?
name=157)

○ Java Week 3:
Q1

(/noc20_cs58/progassignment?
name=129) **What is the output of the above program?**

```
public class Question
{
    public static int x = 7;
    public static void main(String[] args) {
        Question a = new Question ();
        Question b = new Question ();
        a.x = 1;
        b.x = 2;
        System.out.println(a.x+b.x+Question.x);
    }
}
```

○ Java Week 3:
Q2

(/noc20_cs58/progassignment?
name=130) a. 6
b. 10
c. 21

○ Java Week 3: d. runtime error

Q3

(/noc20_cs58/progassignment?
name=131) a.
b.

○ Java Week 3: c.

Q4 d.

(/noc20_cs58/progassignment?
name=132) No, the answer is incorrect.
Score: 0

○ Java Week 3: Accepted Answers:

Q5 a.
(/noc20_cs58/progassignment?
name=133) 3)

1 point

● Feedback For
Week 3 (unit?
unit=31&lesson=37)

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

Week 4 : ()

a.

b.

c.

d.

Week 5 : ()

Yes, the answer is correct.
Score: 1

Accepted Answers:
d.

Week 6 : ()

4)

1 point

Week 7 : ()

Week 8 : ()

Week 9 : ()

Week 10 : ()

Week 11 : ()

Week 12 : ()**Solution ()****DOWNLOAD VIDEOS ()****Text****Transcripts ()****Programming Test - (April 11 - 10AM - 12 PM) ()****Programming Test - (April 11 - 8PM - 10 PM) ()****Programming Exam Oct 2021 (First Session): (10.00AM - 12:00PM). ()****Programming Exam Oct 2021 (Second Session): (8.00PM - 10:00PM). ()**

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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

5)

1 point

Consider the following piece of code in Java.

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

Which of the following method(s) is/are declaration is/are not valid in a class that extends class B?

- a. public int method(int a, int b) {
 return 0;
 }
- b. private int method(int a, int b) {
 return 0;
 }
- c. static protected int method(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 statement(s) is/are true?

- a. A final method cannot 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 cannot use this keyword as there is no instance for this to refer to.
- d. A final method can be overridden in a subclass.

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

Partially Correct.

Score: 0.67

Accepted Answers:

- a.
- b.
- c.

7)

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

1 point

- a. Code sharing
- b. Code maintainability
- c. Code reusability
- d. All of the above

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

- d.

8)

1 point

Consider the following class definition:

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

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

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

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

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?

- a. 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:

b.

d.

10)

1 point

Which of the following statement(s) is/are 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:

a.

b.

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 : ()

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 2020-10-14, 23:59 IST.****Assignment submitted on 2020-10-14, 20:19 IST**

1)

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

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

 a. b. c. d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

2)

1 point**Which of the following keyword is used to define a package in Java?**

- a. class
- b. implements
- c. extends
- d. package

<input type="radio"/> Lecture 19 : Demonstration-VIII (unit? unit=38&lesson=42)	<input type="radio"/> a. <input type="radio"/> b. <input type="radio"/> c. <input checked="" type="radio"/> d.
<input type="radio"/> Lecture 20 : Interface-I (unit? unit=38&lesson=43)	Yes, the answer is correct. Score: 1 Accepted Answers: d.
Quiz: Assignment 4 (assessment? name=158)	3) Which of the following is/are true?
<input type="radio"/> Java Week 4: Q1 (/noc20_cs58/progassgnrn name=172)	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.
<input type="radio"/> Java Week 4: Q2 (/noc20_cs58/progassgnrn name=173)	a. Only 1, 2 and 3 b. Only 3 and 4 c. Only 1 and 3 d. Only 3
<input type="radio"/> Java Week 4: Q3 (/noc20_cs58/progassgnrn? name=174)	<input checked="" type="radio"/> a. <input type="radio"/> b. <input type="radio"/> c. <input type="radio"/> d.
<input type="radio"/> Java Week 4: Q4 (/noc20_cs58/progassgnrn? name=175)	Yes, the answer is correct. Score: 1 Accepted Answers:
<input type="radio"/> Java Week 4: Q5 (/noc20_cs58/progassgnrn? name=176)	4) Which of the following statement(s) is (are) CORRECT regarding an interface in Java?
<input type="radio"/> Feedback For Week 4 (unit? unit=38&lesson=44)	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.
Week 5 : ()	<input type="checkbox"/> a. <input type="checkbox"/> b. <input type="checkbox"/> c. <input type="checkbox"/> d.
Week 6 : ()	
Week 7 : ()	
Week 8 : ()	
Week 9 : ()	
Week 10 : ()	No, the answer is incorrect. Score: 0 Accepted Answers:
Week 11 : ()	c.

Week 12 : ()**Solution ()****DOWNLOAD VIDEOS ()****Text
Transcripts ()****Programming Test - (April 11 - 10AM - 12 PM) ()****Programming Test - (April 11 - 8PM - 10 PM) ()****Programming Exam Oct 2021 (First Session): (10.00AM - 12:00PM). ()****Programming Exam Oct 2021 (Second Session): (8.00PM - 10:00PM). ()***d.*

5)

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.

Partially Correct.

Score: 0.67

Accepted Answers:

- a.
- b.
- c.

6)

1 point**Which of the following is/are NOT 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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

- d.

7)

1 point**Which of the following package(s) stores all the standard java classes?**

- a. lang
- b. java
- c. util
- d. java.packages

- a.

- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

8)

1 point

Consider the program given below.

```
import java.lang.Math.*;
public class Main{
    public static void main(String args[]){
        System.out.println(PI*1/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:

a.

9)

1 point

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

10)

1 point

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

- 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.
`import package.*;`
- c. `import package.A*`; it used to match a subset of the classes in a package starts with "A".
- d. `import package.A*`; it generates compilation error.

a.

b.

c.

d.

Partially Correct.

Score: 0.67

Accepted Answers:

a.

b.

d.

X



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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 :
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 2020-10-21, 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. All abstract, default, and static methods in an interface are implicitly public.
- b. All constant values defined in an interface are implicitly public, static, and final.
- c. An interface can extend any number of interfaces.
- d. A class that implements an interface must implement all the methods declared in the interface.

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

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

2)**1 point**

(unit?
unit=45&lesson=48)

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

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

○ Quiz:
Assignment 5
(assessment?
name=159)

○ Java Week
5:Q1

(/noc20_cs58/progassignment?
name=134)

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

○ Java Week 5:
Q2

(/noc20_cs58/progassignment?
name=135)

No, the answer is incorrect.

Score: 0

○ Java Week 5:
Accepted Answers:

Q3
(/noc20_cs58/progassignment?
name=136)

b.

c.

d.

○ Java Week 5: 3)

1 point

Q4

(/noc20_cs58/progassignment?
name=137)

○ Java Week 5:
Q5

(/noc20_cs58/progassignment?
name=138)

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

Week 6 : ()

Week 7 : ()

Week 8 : ()

Week 9 : ()

Week 10 : ()

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

- a. public interface Question {
 void disp(int x) {
 System.out.println("Hello java");
 }
 }
- b. public interface Question {
 void disp(int x);
 }
- c. public interface Question {
 default void disp(int x) {
 System.out.println("Hello java");
 }
 }
- d. public interface Question { }

a.

b.

c.

d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

c.

d.

[Week 11 : \(\)](#)[Week 12 : \(\)](#)[Solution \(\)](#)[DOWNLOAD
VIDEOS \(\)](#)[Text
Transcripts \(\)](#)[Programming
Test - \(April
11 - 10AM -
12 PM\) \(\)](#)[Programming
Test - \(April
11 - 8PM - 10
PM\) \(\)](#)[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 program.

```
class Question {
    int a=4;
    int b=2;
}

public class Child1 extends Question {
    int a=10;
    int b=20;

    void add(int a,int b) {
        //body
    }
    public static void main(String[] args) {
        Child1 c = new Child1();
        c.add(100,200);
    }
}
```

Which of the following statement(s) is/are replaced in body of the function definition of **void add(int a,int b)** to get the output 12?

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

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

- a.

4)

1 point

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

- a. A subclass inherits all of the public and protected members of its parent class.
- b. A subclass inherits the package-private members of the parent, if it is present in the same package as of its parent class.
- c. A nested class has access to all the private members of its enclosing class.
- d. A subclass does not inherit the package-private members of the parent, if it is present in the same package as of its parent class.

- a.

- b.
- c.
- d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

- a.
- b.
- c.

5)

1 point

What is the output of the following code?

```
try {  
    int num = Integer.parseInt("Two thousand nineteen");  
} catch (NumberFormatException e) {  
    System.out.println("You don't have a number.");  
} catch (Exception e) {  
    System.out.println("Something went terribly wrong!"); }  
finally {  
    System.out.println("Program is in execution...");  
}
```

- a. You don't have a number.
 - a. Program is in execution...
- b. Something went terribly wrong!
 - a. Program is in execution...
- c. Program is in execution...
- d. You don't have a number.
 - a. Something went terribly wrong!
 - b. Program is in execution...

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

- a.

6)

1 point

What is the output of this program?

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

- a. A
- b. B
- c. AC
- d. BC

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

No, the answer is incorrect.
Score: 0

Accepted Answers:
d.

7)

1 point

The exception class is defined in which of the following Java package?

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

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

No, the answer is incorrect.
Score: 0

Accepted Answers:

c.

8)

1 point

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

- a. Static methods in interfaces are never inherited.
- b. You will get a compile-time error if you attempt to change an instance method in the super class to a static method in the subclass.
- c. A protected instance method in the super class can be made public, but not private, in the sub class.
- d. An instance method in a subclass with the same signature (name, plus the number and the type of its parameters) and return type as an instance method in the super class overrides the super class's method.

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.
b.
c.
d.

9)

1 point

Consider the classes as given below.

```
class Explanation{
    public void Print() {
        System.out.println("This is Explanation's Print method");
    }
}
class Answer extends Explanation{
    public void Print() {
        super.super.Print();
        System.out.println("This is Answer's Print method");
    }
}

public class Question15{
    public static void main(String[] args) {
        Answer a = new Answer();
        a.Print();
    }
}
```

What will be the output of the code given above?

- a. Output : *This is Explanation's Print method*
This is Answer's Print method
- b. Error: '*super.super*' is not allowed.
- c. Error: Compilation unsuccessful, as there is only one super class of Answer.
- d. Output : *This is Answer's Print method*
This is Explanation's Print method

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

10)

1 point

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

- a. An abstract class can only be sub classed; it cannot be instantiated.
- b. An abstract class may or may not include abstract methods.
- c. You can prevent a class from being sub classed by using the final keyword in the class's declaration.
- d. Methods in an interface that are not declared as default or static are implicitly abstract.

- 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 2020-10-28, 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. `isInterrupted()`
- b. `interrupt()`
- c. `joins()`
- d. `sleep()`

 a. b. c. d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

2)

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.

<input type="radio"/> Lecture 28 : Multithreading-II (unit? unit=52&lesson=55)	<input type="checkbox"/> a. <input type="checkbox"/> b. <input type="checkbox"/> c. <input type="checkbox"/> d.
<input type="radio"/> Lecture 29 : Demonstration-XI (unit? unit=52&lesson=56)	No, the answer is incorrect. Score: 0 Accepted Answers: a. b. c. d.
<input type="radio"/> Lecture 30 : I-O Stream-I (unit? unit=52&lesson=57)	3) 1 point
<input type="radio"/> Quiz: Assignment 6 (assessment? name=160)	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.
<input type="radio"/> Java Week 6: Q1 (/noc20_cs58/progassignment? name=177)	<input type="checkbox"/> a. <input type="checkbox"/> b. <input checked="" type="checkbox"/> c. <input type="checkbox"/> d.
<input type="radio"/> Java Week 6: Q2 (/noc20_cs58/progassignment? name=178)	<input type="checkbox"/> a. <input type="checkbox"/> b. <input checked="" type="checkbox"/> c. <input type="checkbox"/> d.
<input type="radio"/> Java Week 6: Q3 (/noc20_cs58/progassignment? name=179)	No, the answer is incorrect. Score: 0 Accepted Answers: a.
<input type="radio"/> Java Week 6: Q4 (/noc20_cs58/progassignment? name=180)	1 point
<input type="radio"/> Java Week 6: Q5 (/noc20_cs58/progassignment? name=181)	
<input type="radio"/> Feedback For Week 6 (unit? unit=52&lesson=58)	
Week 7 : ()	
Week 8 : ()	
Week 9 : ()	
Week 10 : ()	
Week 11 : ()	

[Week 12 : \(\)](#)[Solution \(\)](#)[DOWNLOAD VIDEOS \(\)](#)[Text Transcripts \(\)](#)[Programming Test - \(April 11 - 10AM - 12 PM\) \(\)](#)[Programming Test - \(April 11 - 8PM - 10 PM\) \(\)](#)[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;

        } catch (Exception e) {

            catch (ArithmeticException a) {

            }

        }

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

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

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

5)

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.

6)

1 point

Which of the following will contain the body of the thread?

- a. run();
- b. start();
- c. stop();
- d. main();

- 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. 1
 2

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

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.println(thread.activeCount());  
    }  
}
```

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

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

9)

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.

10)

1 point

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

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

- 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
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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 2020-11-04, 23:59 IST.****As per our records you have not submitted this assignment.****1)****1 point****Which of the following cannot be used to read a text file in Java?**

- a. BufferedReader
- b. FileReader
- c. Scanner
- d. Document

- 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 true?

- Lecture 33 : Demonstration-XII (unit?
unit=59&lesson=62)
 - Lecture 34 : Applet Programming - I (unit?
unit=59&lesson=63)
 - Lecture 35 : Applet Programming - II (unit?
unit=59&lesson=64)
 - Quiz: Assignment 7 (assessment?
name=161)
- 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.

No, the answer is incorrect.
Score: 0

Accepted Answers:

a.

b.

c.

Java Week 7 :
Q1
(/noc20_cs58/progassignment?
name=139)

3) Which of the following is/are Standard Stream(s)?

1 point

- Java Week 7:
Q2
(/noc20_cs58/progassignment?
name=140)
 - Java Week 7:
Q3
(/noc20_cs58/progassignment?
name=141)
 - Java Week 7:
Q4
(/noc20_cs58/progassignment?
name=142)
- a. System.in
 b. System.out
 c. System.err
 d. System.console

- a.
 b.
 c.
 d.

No, the answer is incorrect.
Score: 0

- Java Week 7:
Q5
(/noc20_cs58/progassignment?
name=143)
- Accepted Answers:

a.

c.

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

1 point

Week 8 : ()

Week 9 : ()

Week 10 : ()

[Week 11 : \(\)](#)[Week 12 : \(\)](#)[Solution \(\)](#)[DOWNLOAD VIDEOS \(\)](#)[Text Transcripts \(\)](#)[Programming Test - \(April 11 - 10AM - 12 PM\) \(\)](#)[Programming Test - \(April 11 - 8PM - 10 PM\) \(\)](#)[Programming Exam Oct 2021 \(First Session\): \(10.00AM - 12:00PM\). \(\)](#)[Programming Exam Oct 2021 \(Second Session\): \(8.00PM - 10:00PM\). \(\)](#)

Which of the following code is correct?

a.

```
FileWriter fileWriter = new FileWriter("../file.txt");
File file = new File(fileWriter );
BufferedWriter bufferedOutputWriter = new BufferedWriter(fileWriter);
```

b.

```
BufferedWriter bufferedOutputWriter = new
BufferedWriter("../file.txt");
File file = new File(bufferedOutputWriter );
FileWriter fileWriter = new FileWriter(file);
```

c.

```
File file = new File("../file.txt");
FileWriter fileWriter = new FileWriter(file);
BufferedWriter bufferedOutputWriter = new BufferedWriter(fileWriter);
```

d.

```
File file = new File("../file.txt");
BufferedWriter bufferedOutputWriter = new BufferedWriter(file);
FileWriter fileWriter = new FileWriter(bufferedOutputWriter );
```

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

No, the answer is incorrect.
Score: 0

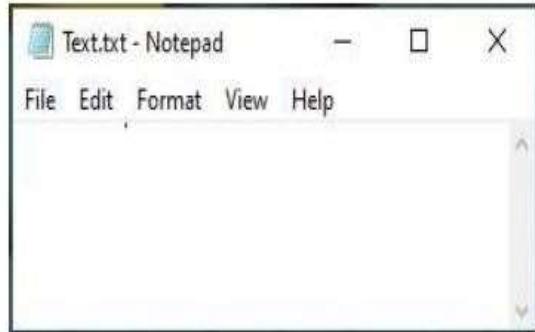
Accepted Answers:

c.

5)

1 point

Assume that "Text.txt" file is already created in the root directory, which is shown below.



Consider the following program and choose the correct option.

```
import java.io.*;

public class Question6{
    public static void main(String[] args) {
        try ( RandomAccessFile rf =
            new RandomAccessFile("Text.txt", "r")) {
            int i = rf.readInt();
        }
        catch (FileNotFoundException ex) {
            System.out.println("File not found");
        }
        catch (IOException ex) {
            ex.printStackTrace();
        }
    }
}
```

- a. The program will not be compiled successfully.
- b. The program will be compiled successfully, but will encounter runtime exception
- c. The program produces an output "File not found".
- d. The program will be executed successfully, but doesn't produce any output.

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

6)

1 point

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

What will happen during execution of the following code for the command line input?

```
public class Question14 {  
    public static void main(String args[]){  
        System.out.println(args[5]);  
    }  
}
```

Consider the following input on command line.

Input:

- A: Indian Institute of Technology
 - B: 1 2 3 4 5
 - C: Indian Institute of Technology Nptel
 - D: 1 2 3 4 5 6
-
- a. A : *Exception ArrayIndexOutOfBoundsException*
B : *Exception ArrayIndexOutOfBoundsException*
C : *Exception ArrayIndexOutOfBoundsException*
D : *Exception ArrayIndexOutOfBoundsException*
 - b. A : *Output Technology*
B : *Output 1 2 3 4 5*
C : *Exception ArrayIndexOutOfBoundsException*
D : *Exception ArrayIndexOutOfBoundsException*
 - c. A : *Exception ArrayIndexOutOfBoundsException*
B : *Exception ArrayIndexOutOfBoundsException*
C : *Output Nptel*
D : *Exception ArrayIndexOutOfBoundsException*
 - d. A : *Exception ArrayIndexOutOfBoundsException*
B : *Exception ArrayIndexOutOfBoundsException*
C : *Exception ArrayIndexOutOfBoundsException*
D : *Output 6*

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

No, the answer is incorrect.
Score: 0

Accepted Answers:
d.

8)

1 point

Consider the following program.

```
import java.io.*;
public class TestIO {
    public static void main(String[] args) throws IOException {
        BufferedReader br=new BufferedReader(new
        FileReader("nptel.txt"));
        String str;
        int c=0;
        while((str=br.readLine())!=null) {
            c=c+1;
            System.out.println(str.charAt(1));
        }
        System.out.println(c);
    }
}
```

The file **nptel.txt** when browse with the Notepad text editor, it shows the content, which is shown below.



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

a. E
1

b. E
5

c. N
1

d. L
5

- a.
- b.
- c.

d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

9)

1 point

Which of the following classes can be used to implement the input stream that uses a character array as the source?

- a. BufferedReader
- b. FileReader
- c. CharArrayReader
- d. FileArrayReader

 a. b. c. d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

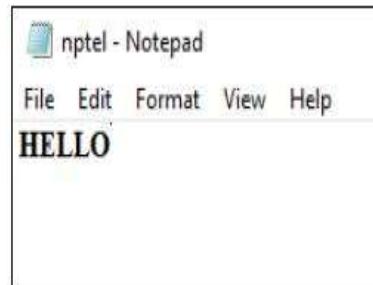
10)

1 point

Consider the following program.

```
import java.io.*;  
  
public class FileInfo {  
    public static void main(String args[]) {  
        File f = new File("nptel.txt");  
        System.out.println("length: " + f.length());  
    }  
}
```

The file **nptel.txt** when browse with the Notepad text editor, it shows the content, which is shown below.



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

- a. length: 6
- b. length: 5
- c. length: 0
- d. length: 1

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

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 2020-11-11, 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) Which of the following is NOT a class of java.awt package? **1 point**

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

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

- a.
- 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?** 1 point
- 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).

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

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

Quiz:
Assignment 8
(assessment?
name=162)

No, the answer is incorrect.
Score: 0

Accepted Answers:

Java Week 8:
Q1
(/noc20_cs58/progassignment?
name=182)

4)

1 point

Java Week 8:
Q2
(/noc20_cs58/progassgnr?
name=183)

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

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

Java Week 8:
Q4
(/noc20_cs58/progassignment?
name=185)

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

Java Week 8:
Q5
(/noc20_cs58/progassgnmt?
name=186)

No, the answer is incorrect.
Score: 0

Accepted Answers:

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.

6)

1 point**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.

7) Which is/are used to create a Frame?**1 point**

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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online
course
work? ()

Week 0 :
Assignment
0 ()

Week 1 : ()

Week 2 : ()

Week 3 : ()

Week 4 : ()

Week 5 : ()

Week 6 : ()

Week 7 : ()

Week 8 : ()

Week 9 : ()

Lecture 41 :
Demonstration-

Assignment 9

The due date for submitting this assignment has passed.

Due on 2020-11-18, 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. MenuElement
- b. BoxLayout
- c. JComponent
- d. Scrollable

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

- a.
- d.

2)

1 point

Which of the following Listener(s) is/are not supported by button (Swing component)?

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

- a.

XV (unit? unit=73&lesson=74)	<input type="radio"/> b. <input type="radio"/> c. <input type="radio"/> d.	No, the answer is incorrect. Score: 0 Accepted Answers: d.	
○ Lecture 42 : AWT Programming-- III (unit? unit=73&lesson=75)	3)		1 point
○ Lecture 43 : Swing—I (unit? unit=73&lesson=76)	a. ActionListener b. ChangeListener c. ComponentListener d. ItemListener		
○ Lecture 44 : Swing—II (unit? unit=73&lesson=77)	<input type="radio"/> a. <input type="radio"/> b. <input type="radio"/> c. <input type="radio"/> d.		
○ Lecture 45 : Demonstration- XVI (unit? unit=73&lesson=78)			
○ Quiz: Assignment 9 (assessment? name=163)	No, the answer is incorrect. Score: 0 Accepted Answers: c.		
○ Java Week 9 : Q1 (/noc20_cs58/progassgnr name=144)	4) ..	To set a FlowLayout in a panel, say jp, which of the following method(s) that you can use?	1 point
○ Java Week 9 : Q2 (/noc20_cs58/progassgnr name=145)	a. jp.setLayout(new FlowLayout()); b. jp.setLayout(new FlowLayout.FlowLayout.CENTER)); c. jp.setLayout(new FlowLayout.FlowLayout.CENTER)); d. jp.setLayout(FlowLayout());		
○ Java Week 9 : Q3 (/noc20_cs58/progassgnment? name=146)	<input type="checkbox"/> a. <input type="checkbox"/> b. <input type="checkbox"/> c. <input type="checkbox"/> d.		
○ Java Week 9 : Q4 (/noc20_cs58/progassgnment? name=147)	No, the answer is incorrect. Score: 0		
○ Java Week 9 : Q5 (/noc20_cs58/progassgnment? name=148)	Accepted Answers: a.		
○ Feedback For Week 9 (unit? unit=73&lesson=79)	5)		1 point

Week 10 : ()

[Week 11 : \(\)](#)[Week 12 : \(\)](#)[Solution \(\)](#)[DOWNLOAD VIDEOS \(\)](#)[Text Transcripts \(\)](#)[Programming Test - \(April 11 - 10AM - 12 PM\) \(\)](#)[Programming Test - \(April 11 - 8PM - 10 PM\) \(\)](#)[Programming Exam Oct 2021 \(First Session\): \(10.00AM - 12:00PM\). \(\)](#)[Programming Exam Oct 2021 \(Second Session\): \(8.00PM - 10:00PM\). \(\)](#)**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.

6) **In Java AWT, TextArea and TextField are subclass of:**

1 point

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

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

No, the answer is incorrect.
Score: 0

Accepted Answers:
c.

7)

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("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. RIGHT
- b. LEADING
- c..TRAILING
- d. TOP

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

- a.
- b.
- c.

9)

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 cannot 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.

10)

1 point

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

- a. Class KeyEvent 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.

X



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Course outline**How does an
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online
course
work? ()****Week 0 :
Assignment
0 ()****Week 1 : ()****Week 2 : ()****Week 3 : ()****Week 4 : ()****Week 5 : ()****Week 6 : ()****Week 7 : ()****Week 8 : ()****Week 9 : ()****Week 10 : ()**

Assignment 10

The due date for submitting this assignment has passed.**Due on 2020-11-25, 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**

Lecture 46 :
Demonstration-XVII (unit?
unit=80&lesson=81)

Lecture 47 :
Demonstration-XVIII (unit?
unit=80&lesson=82)

Lecture 48 :
Java
Networking
(unit?
unit=80&lesson=83)

Lecture 49 :
Demonstration-XIX (unit?
unit=80&lesson=84)

Lecture 50 :
JDBC—I (unit?
unit=80&lesson=85)

Quiz:
Assignment 10
(assessment?
name=169)

Java Week 10:
Q1
(/noc20_cs58/progassignment?
name=187)

Consider the following program:

```
import java.net.*;
import java.io.*;

public class Question {
    public static void main(String[] args) throws Exception {
        URL aURL = new URL("http://nptel.com:80/docs/java/tutorial"
                            + "index.html?name=networking#connection");

        System.out.println("authority = " + aURL.getAuthority());
        System.out.println("host = " + aURL.getHost());
    }
}
```

Java Week 10:
Q2
(/noc20_cs58/progassignment?
name=188)

No, the answer is incorrect.
Score: 0

Accepted Answers:

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

Java Week 10:
Q3
(/noc20_cs58/progassignment?
name=189)

- a.
- b.

Java Week 10:
Q4
(/noc20_cs58/progassignment?
name=190)

1 point

Java Week 10:
Q5
(/noc20_cs58/progassignment?
name=191)

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

Week 11 : ()**Week 12 : ()****Solution ()****DOWNLOAD VIDEOS ()****Text Transcripts ()****Programming Test - (April 11 - 10AM - 12 PM) ()****Programming Test - (April 11 - 8PM - 10 PM) ()****Programming Exam Oct 2021 (First Session): (10.00AM - 12:00PM). ()****Programming Exam Oct 2021 (Second Session): (8.00PM - 10:00PM). ()****Consider the following program:**

```

import java.net.*;
import java.io.*;

public class Question {
    public static void main(String[] args) throws Exception {
        URL aURL = new URL("http://nptel.com:80/docs/java/tutorial"
                            + "index.html?name=networking#connection");

        System.out.println("query = " + aURL.getQuery());
        System.out.println("ref = " + aURL.getRef());
    }
}

```

Which of the following is/are valid output(s) from the above program?

- a. query = name=networking
- b. query = name=networking#connection
- c. ref=connection
- d. ref=/docs/java/tutorial/index.html?name=networking

- a.
 b.
 c.
 d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

- a.
- c.
- 4)

1 point**Which of the following statement(s) is(are) NOT true?**

- 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.

- a.
 b.
 c.
 d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

5)

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.

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) **In the following URL, identify the protocol identifier?**

1 point

- 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 interface is a point-to-point interface.
- c. isVirtual(): it indicates if the interface is a virtual interface.
- d. isUP() : it indicates the 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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Course outline

**How does an
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online
course
work? ()**

**Week 0 :
Assignment
0 ()**

Week 1 : ()

Week 2 : ()

Week 3 : ()

Week 4 : ()

Week 5 : ()

Week 6 : ()

Week 7 : ()

Week 8 : ()

Week 9 : ()

Week 10 : ()

Week 11 : ()

Assignment 11

The due date for submitting this assignment has passed.**Due on 2020-12-02, 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=170)
- Java Week 11 : Q1
(/noc20_cs58/progassignment?
name=149)
- Java Week 11: Q2
(/noc20_cs58/progassignment?
name=150)
- Java Week 11 : Q3
(/noc20_cs58/progassignment?
name=151)
- Java Week 11 : Q4
(/noc20_cs58/progassignment?
name=152)
- Java Week 11 : Q5
(/noc20_cs58/progassignment?
name=153)
- 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:

a.

b.

c.

d.

4)

1 point

Week 12 : ()**Solution ()****DOWNLOAD VIDEOS ()****Text Transcripts ()****Programming Test - (April 11 - 10AM - 12 PM) ()****Programming Test - (April 11 - 8PM - 10 PM) ()****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(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.
 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



(https://swayam.gov.in)



(https://swayam.gov.in/nc_details/NPTEL)

zainabmaryam133@gmail.com ▾

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 :
Assignment
0 ()

Week 1 : ()

Week 2 : ()

Week 3 : ()

Week 4 : ()

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 2020-12-09, 23:59 IST.

As per our records you have not submitted this assignment.

1)

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?

- One thread only.
- Two threads only.
- Three threads only.
- No thread will run in this case.

a.

Week 12 : ()	<input type="radio"/> b. <input type="radio"/> c. <input type="radio"/> d.	No, the answer is incorrect. Score: 0 Accepted Answers: <i>b.</i>	
<input type="radio"/> Lecture 56 : Case Study - I (unit? unit=94&lesson=95)	2)	Which of the following displays components row-by-row in the order in which they were added to the JFrame?	1 point
<input type="radio"/> Lecture 57 : Case Study - II (unit? unit=94&lesson=96)	a. CardLayout b. FlowLayout c. BorderLayout d. GridLayout		
<input type="radio"/> Lecture 58 : Case Study - III (unit? unit=94&lesson=97)	<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: <i>b.</i>	
<input type="radio"/> Lecture 59 : Case Study - IV (unit? unit=94&lesson=98)	3)	Execution of SQL command like SELECT * FROM myTable using JDBC program will return a ResultSet object. This object is	1 point
<input type="radio"/> Lecture 60 : Case Study - V (unit? unit=94&lesson=99)	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.		
<input type="radio"/> Quiz: Assignment 12 (assessment? name=171)	<input type="radio"/> a. <input checked="" type="radio"/> b. <input type="radio"/> c. <input type="radio"/> d.	No, the answer is incorrect. Score: 0 Accepted Answers: <i>b.</i>	
<input type="radio"/> Java Week 12: Q1 (/noc20_cs58/progassgnrn name=192)			
<input type="radio"/> Java Week 12: Q2 (/noc20_cs58/progassgnrn name=193)			
<input type="radio"/> Java Week 12: Q3 (/noc20_cs58/progassgnment? name=194)			
<input type="radio"/> Java Week 12: Q4 (/noc20_cs58/progassgnme name=195)		No, the answer is incorrect. Score: 0 Accepted Answers: <i>b.</i>	
<input type="radio"/> Java Week 12: Q5 (/noc20_cs58/progassgnment? name=196)	4)		1 point
<input type="radio"/> Feedback For Week 12 (unit?			

unit=94&lesson=100)

Which of the following method is used to set a frame, say `f` with size 300×200 pixels?**Solution ()****DOWNLOAD VIDEOS ()****Text Transcripts ()****Programming Test - (April 11 - 10AM - 12 PM) ()****Programming Test - (April 11 - 8PM - 10 PM) ()****Programming Exam Oct 2021 (First Session): (10.00AM - 12:00PM). ()****Programming Exam Oct 2021 (Second Session): (8.00PM - 10:00PM). ()**`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:

a.

5) 1 point**Which of the following control expressions are valid for an `if` statement?**

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

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

No, the answer is incorrect.
Score: 0

Accepted Answers:

a.
b.**6) 1 point**

Consider the following program:

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

What is the output of the following program?

- a. 18
- b. 15
- c. 19
- d. 17

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

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. java
- b. ava
- c. javanptel
- d. january

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

8)

1 point

Which of the following statements would NOT 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:

c.
d.
e.
f.

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 ");  
        }  
        System.out.print("finished ");  
    }  
}
```

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

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

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

10)

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

- a.
- b.

c. d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.