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[NPTEL](https://swayam.gov.in/explorer?ncCode=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)

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.

1 point

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

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

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

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

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

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

Week 1 :
Programming
Assignment 5
(/noc21_cs56/progassignment?
name=134)

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

Week 2 : ()

Week 3 : ()

Week 4 : ()

Week 5 : ()

Week 6 : ()

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

- 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.
- b.
- c.
- d.

No, the answer is incorrect.
Score: 0

Accepted Answers:
c.

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.

No, the answer is incorrect.
Score: 0

Accepted Answers:
b.

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.

- a.
- b.

Week 7 : ()

- c.
 d.

Week 8 : ()

No, the answer is incorrect.
Score: 0

Week 9 : ()

Accepted Answers:
a.

Week 10 : ()

5)

1 point

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++);  
        }  
    }  
}
```

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

Books ()

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

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

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.

X



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course work?
()

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

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.
- b.
- c.
- d.

No, the answer is incorrect.
Score: 0

Insights (unit?
unit=24&lesson=28)

Accepted Answers:

c.

2)

1 point

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

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

○ 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)

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

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

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

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

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

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

What will be the output of the above program?

- a. javanptel
- b. npTELjava
- c. janjavananptel
- d. jannpteljava

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

Week 3 : ()

- a.

- b.

- c.

- d.

Week 4 : ()

Week 5 : ()

Week 6 : ()

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12.00PM\). \(\)](#)[Programming
Exam Oct
2021 \(Second
Session\):
\(8.00PM -
10.00PM\). \(\)](#)

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

4)

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 : jan nptel
javan ptel
nptel nptel
- 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.

X

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Course outline**How does an NPTEL online course 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)

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 14 : Demonstration- VI (unit? unit=31&lesson=35)
- Lecture 15 : Information Hiding (unit? unit=31&lesson=36)
- Quiz: Week 3 : Assignment 3 (assessment? name=128)

- Week 3 : Programming Assignment 1 (/noc21_cs56/progassigrmr name=145)
- Week 3 : Programming Assignment 2 (/noc21_cs56/progassigrmr name=144)
- Week 3 : Programming Assignment 3 (/noc21_cs56/progassigrmr name=146)

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?

- Week 3 : Programming Assignment 4 (/noc21_cs56/progassigrmr name=150)

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

- Week 3 : Programming Assignment 5 (/noc21_cs56/progassigrment? name=147)

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

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

No, the answer is incorrect.
Score: 0

Accepted Answers:

a.

2)

1 point

- Week 4 : ()

- Week 5 : ()

- Week 6 : ()

[Week 7 : \(\)](#)[Week 8 : \(\)](#)[Week 9 : \(\)](#)[Week 10 : \(\)](#)[Week 11 : \(\)](#)[Week 12 : \(\)](#)[Assignments
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\(10.00AM -
12.00PM\). \(\)](#)[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) Advantage(s) of inheritance in Java programming is/are**1 point**

- 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.

X



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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)

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.

Lecture 19 :
Demonstration-
VIII (unit?
unit=38&lesson=42)

- a.
- b.
- 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?

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

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

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

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

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

No, the answer is incorrect.
Score: 0

Accepted Answers:

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

1 point

Week 4 :
Programming
Assignment 4
(/noc21_cs56/progassignment?
name=178)

- 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 : ()

Week 6 : ()

Week 7 : ()

5)

1 point

[Week 8 : \(\)](#)[Week 9 : \(\)](#)[Week 10 : \(\)](#)[Week 11 : \(\)](#)[Week 12 : \(\)](#)[Assignments
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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) **Which of these access specifier(s) can be used for an interface? 1 point**

- 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

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

Handling-I (unit? unit=45&lesson=48)	2) Which of the following is not true about custom exception in java? 1 point
Lecture 24 : Exception Handling-II (unit? unit=45&lesson=49)	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 () ;} }
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/progassigment? name=157)	<input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d
Week 5 : Programming Assignment 2 (/noc21_cs56/progassigment? name=158)	No, the answer is incorrect. Score: 0 Accepted Answers: <i>d</i>
Week 5 : Programming Assignment 3 (/noc21_cs56/progassigment? name=159)	3) Which of the following is not a property of tagged interface? 1 point
Week 5 : Programming Assignment 4 (/noc21_cs56/progassigment? name=160)	a. Serializable b. Cloneable c. Remote d. Cascading
Week 5 : Programming Assignment 5 (/noc21_cs56/progassigment? name=161)	<input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d
Feedback For Week 5 (unit? unit=45&lesson=51)	No, the answer is incorrect. Score: 0 Accepted Answers:
Week 6 : ()	

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). ()***d***4) Which of the following is not an exception in Java?****1 point**

- a. SQLException
- b. ArrayIndexOutOfBoundsException
- c. OutOfMemoryError
- d. StackOverflow

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

*d***5) Which of the following is type of Java Exception?****1 point**

- a. unchecked
- b. checked
- c. a & b
- d. error

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

*c***6)****1 point****Which of the following keywords is not a part of exception handling?**

- a. try
- b. throws
- c. throw
- d. thrown

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

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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Course outline

How does an
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course 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)

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

Lecture 28 :
Multithreading-II (unit?
unit=52&lesson=55)

Lecture 29 :
Demonstration-XI (unit?
unit=52&lesson=56)

Lecture 30 : I-O
Stream-I (unit?
unit=52&lesson=57)

Quiz: Week 6 :
Assignment 6
(assessment?
name=137)

Week 6 :
Programming
Assignment 1
(/noc21_cs56/progassignment?
name=194)

Week 6 :
Programming
Assignment 2
(/noc21_cs56/progassignment?
name=205)

Week 6 :
Programming
Assignment 3
(/noc21_cs56/progassignment?
name=206)

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)

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

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

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

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

- a
- b
- c
- d

No, the answer is incorrect.
Score: 0

Accepted Answers:

a
b

4)

1 point

1 point

Week 7 : ()

[Week 8 : \(\)](#)[Week 9 : \(\)](#)[Week 10 : \(\)](#)[Week 11 : \(\)](#)[Week 12 : \(\)](#)[Assignments
Solution \(\)](#)[Lecture
Material \(\)](#)[DOWNLOAD
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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 NPTEL online course work?**
()**Week 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

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

(unit?
unit=59&lesson=61)

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

Week 7 :
Programming
Assignment 1
(/noc21_cs56/progassigrm.....
name=180)

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

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

Week 7 :
Programming
Assignment 4
(/noc21_cs56/progassigrm.....
name=183)

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

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());  
    }  
}
```

- a. java
- b. Nptel
- c. Nptel/java
- d. /Nptel/java

a

b

c

d

No, the answer is incorrect.
Score: 0

Accepted Answers:

a

1 point

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

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

a

b

c

d

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

Week 8 : ()

Week 9 : ()

Week 10 : ()

Week 11 : ()

Week 12 : ()

Assignments
Solution ()

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Books ()

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

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

No, the answer is incorrect.
Score: 0

Accepted Answers:
a

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

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

- a
- b
- c
- d

No, the answer is incorrect.
Score: 0

Accepted Answers:
d

4) **Which method is used to write an array of byte to the current output stream? *1 point***

- 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

- a
- b
- c
- d

No, the answer is incorrect.
Score: 0

Accepted Answers:
b

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)

1 point

Which of the following method in java.io package help in clearing the contents of the buffer?

- 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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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 : ()**

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

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

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:

a

3)

1 point

Which of the following method is/are a class button of java.awt package ?

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

- a. paint(Graphics g)
- b. setLabel(String label)
- c. getCurrent()
- d. getItem(int index)

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

- a
- b
- c
- d

Quiz: Week 8 :
Assignment 8
(assessment?
name=139)

No, the answer is incorrect.
Score: 0

Accepted Answers:

b

4)

1 point

Week 8 :
Programming
Assignment 1
(/noc21_cs56/progassigrment?
name=162)

Which of the following container does not contain titlebar and menubar ?

Week 8 :
Programming
Assignment 2
(/noc21_cs56/progassigrmr
name=163)

- a. window
- b. panel
- c. container
- d. frame

Week 8 :
Programming
Assignment 3
(/noc21_cs56/progassigrment?
name=164)

- a
- b
- c
- d

Week 8 :
Programming
Assignment 4
(/noc21_cs56/progassigrment?
name=165)

No, the answer is incorrect.
Score: 0

Accepted Answers:

b

Week 8 :
Programming
Assignment 5
(/noc21_cs56/progassigrment?
name=166)

5)

1 point

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

Week 9 : ()

Week 10 : ()

Week 11 : ()

Week 12 : ()

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Books ()

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

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

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

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

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

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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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 : ()

○ Lecture 41 :
Demonstration-

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

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

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

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

Lecture 44 :
Swing
Programming -
II (unit?
unit=73&lesson=77)

Lecture 45 :
Demonstration-
XVI (unit?
unit=73&lesson=78)

Quiz: Week 9 :
Assignment 9
(assessment?
name=140)

Week 9 :
Programming
Assignment 1
(/noc21_cs56/progassigment?
name=208)

Week 9 :
Programming
Assignment 2
(/noc21_cs56/progassigment?
name=190)

Week 9 :
Programming
Assignment 3
(/noc21_cs56/progassigment?
name=207)

Week 9 :
Programming
Assignment 4
(/noc21_cs56/progassigment?
name=209)

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

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

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

- a
- b
- c

3) What is/are not a listener in context to event handling?

1 point

- 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

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

- a
- c

4) Give the abbreviation of AWT?

1 point

- a. Applet Windowing Toolkit
- b. Absolute Windowing Toolkit
- c. Applet Window Toolkit
- d. Abstract Windowing Toolkit

a
 b
 c
 d

Week 9 :
 Programming
 Assignment 5
(/noc21_cs56/progassignment?
 name=210)

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

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). ()**

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

5) **How many types of controls does AWT support?**

1 point

- a. 17
- b. 6
- c. 7
- d. 8

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

6) **Which package is not imported for swing components**

1 point

- a. java.awt.*;
- b. java.util.*;
- c. javax.swing.*;
- d. javax.awt.swing.*;

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a
b
d

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. 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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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 : ()**

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

- Lecture 46 : Demonstration-XVII (unit? unit=80&lesson=81)
- Lecture 47 : Demonstration-XVIII (unit? unit=80&lesson=82)
- Lecture 48 : Networking with Java (unit? unit=80&lesson=83)
- Lecture 49 : Demonstration-XIX (unit? unit=80&lesson=84)
- Lecture 50 : JDBC - I (unit? unit=80&lesson=85)
- Quiz: Week 10 : Assignment 10 (assessment? name=141)

- Week 10 : Programming Assignment 1 (/noc21_cs56/progassignment? name=185)
- Week 10 : Programming Assignment 2 (/noc21_cs56/progassignment? name=186)
- Week 10 : Programming Assignment 3 (/noc21_cs56/progassignment? name=187)
- Week 10 : Programming Assignment 4 (/noc21_cs56/progassignment? name=188)
- Week 10 : Programming

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
- 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

Assignment 5

(/noc21_cs56/progassigment?
name=189)

 c d**Feedback For**

Week 10 (unit?

unit=80&lesson=86)

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

b

c

d

Week 11 : ()**Week 12 : ()****Assignments**

Solution ()

Lecture

Material ()

DOWNLOAD

VIDEOS ()

Text

Transcripts ()

Books ()**Programming**

Exam Oct

2021 (First

Session):

(10.00AM -

12.00PM). ()

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 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 : ()

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

Week 11 : ()

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

- a
- b
- c
- d

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

No, the answer is incorrect.
Score: 0

Accepted Answers:

b

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?

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

- 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).

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

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

Quiz: Week 11
 : Assignment
 11
(assessment?
 name=142)

- a
- b
- c
- d

No, the answer is incorrect.
Score: 0

Accepted Answers:

a

b

c

4)

1 point

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

Week 11 :
 Programming
 Assignment 1
(/noc21_cs56/progassignment?
 name=167)

Week 11 :
 Programming
 Assignment 2
(/noc21_cs56/progassignment?
 name=168)

Week 11 :
 Programming
 Assignment 3
(/noc21_cs56/progassignment?
 name=169)

- a
- b
- c
- d

Week 11 :
 Programming
 Assignment 4
(/noc21_cs56/progassignment?
 name=170)

- a
- b
- c
- d

Week 11 :
 Programming
Assignment 5
(/noc21_cs56/progassignment?
name=171)

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

Week 12 : ()

Assignments
Solution ()

Lecture
Material ()

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Books ()

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

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

No, the answer is incorrect.

Score: 0

Accepted Answers:

a
b

5)

1 point

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 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 : ()**

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

<p>Week 11 : ()</p> <hr/> <p>Week 12 : ()</p> <hr/> <p><input type="radio"/> Lecture 56 : Case Study - I (unit? unit=94&lesson=95)</p> <p><input type="radio"/> Lecture 57 : Case Study - II (unit? unit=94&lesson=96)</p> <p><input type="radio"/> Lecture 58 : Case Study - III (unit? unit=94&lesson=97)</p> <p><input type="radio"/> Lecture 59 : Case Study - IV (unit? unit=94&lesson=98)</p> <p><input type="radio"/> Lecture 60 : Case Study - V (unit? unit=94&lesson=99)</p> <p><input type="radio"/> Quiz: Week 12 : Assignment 12 (assessment? name=143)</p> <hr/> <p><input type="radio"/> Week 12 : Programming Assignment 1 (/noc21_cs56/progassignment? name=212)</p> <p><input type="radio"/> Week 12 : Programming Assignment 2 (/noc21_cs56/progassignment? name=213)</p> <p><input type="radio"/> Week 12 : Programming Assignment 3 (/noc21_cs56/progassignment? name=214)</p> <p><input type="radio"/> Week 12 : Programming</p>	<p>2) State whether the following statements are True or False. 1 point</p> <p>i) A catch can have comma-separated multiple arguments. ii) Throwing an Exception always causes program termination.</p> <p>a. True, False b. False, True c. True, True d. False, False</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: <i>d</i></p> <p>3) Which of the following contains both date and time? 1 point</p> <p>a. java.io.date b. java.sql.date c. java.util.date d. java.util.dateTime</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: <i>c</i></p> <p>4) 1 point</p>
--	---

Assignment 4

(/noc21_cs56/progassigrm
name=215)

 Week 12 :

Programming

Assignment 5

(/noc21_cs56/progassigrm
name=216)

 Feedback For

Week 12 (unit?

unit=94&lesson=100)

Assignments

Solution ()

Lecture

Material ()

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Books ()**Programming**
Exam Oct
2021 (First
Session):
(10.00AM -
12.00PM). ()**Programming**
Exam Oct
2021 (Second
Session):
(8.00PM -
10.00PM). ()

In Graphics class which method is used to draw 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 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:

b

6) Consider the following program:

1 point

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

What is the output of the Java program given above?

- a. No output
- b. GOAT
- c. DOMESTIC
- d. 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) Consider the following piece of code in Java.

1 point

```
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