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

[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 2022-02-09, 23:59 IST.

Assignment submitted on 2022-01-21, 12:03 IST

1) Which of the following is not a Language Processor? 1 point

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

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

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

● Quiz: Week 1 :
Assignment 1
(assessment?
name=128)

● Week 1:
Programming
Assignment 1
(/noc22_cs47/progassignment?
name=129)

● Week 1 :
Programming
Assignment 2
(/noc22_cs47/progassignment?
name=130)

● Week 1 :
Programming
Assignment 3
(/noc22_cs47/progassignment?
name=131)

● Week 1 :
Programming
Assignment 4
(/noc22_cs47/progassignment?
name=132)

● Week 1 :
Programming
Assignment 5
(/noc22_cs47/progassignment?
name=133)

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

○ Assignment 1
Solution (unit?
unit=17&lesson=170)

Week 2 : ()

Week 3 : ()

Week 4 : ()

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

1 point

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

a.

b.

c.

d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

Consider the following program.

```
public class Question{
    public static void main(String args[]){
        for(int a=2;a<3;a+=1){
            System.out.print(a++ + a);
        }
    }
}
```

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

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

a.

b.

c.

d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

4)

1 point

[Week 5 : \(\)](#)[Week 6 : \(\)](#)[Week 7 : \(\)](#)[Week 8 : \(\)](#)[Week 9 : \(\)](#)[Week 10 : \(\)](#)[Week 11 : \(\)](#)[Week 12 : \(\)](#)[DOWNLOAD
VIDEOS \(\)](#)[Books \(\)](#)[Text
Transcripts \(\)](#)[SET-I
Unproctored
Exam \(\)](#)[SET-II
Unproctored
Exam \(\)](#)**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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

5)

1 point

Consider the following program.

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

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

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

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

6)

1 point

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

```
public class Question3{
    public static void main(String args[]){
        char nptel[]={'S','W','A','Y','A','M'};
        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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

7)

1 point

What is the output of this program?

```
public class Question {  
    public static void main(String args[]) {  
        int i = 7;  
        System.out.print(--i * 7);  
    }  
}
```

- a. 20
- b. 25
- c. 42
- d. 31

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

9)

1 point

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

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

 a. b. c. d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

d.

10)

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.

X



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Course outline

How does an NPTEL online 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 2022-02-09, 23:59 IST.****Assignment submitted on 2022-02-01, 06:12 IST**

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.

Yes, the answer is correct.

Insights (unit? unit=24&lesson=28)	Score: 1 Accepted Answers: c.	
○ Lecture 10 : Demonstration- IV (unit? unit=24&lesson=29)	2)	1 point
● Quiz: Week 2 : Assignment 2 (assessment? name=134)	Which of the following is generate API documentation in HTML format from Java source code? a. javac b. javadoc c. javap d. java	
● Week 2 : Programming Assignment 1 (/noc22_cs47/progassignment? name=135)	<input type="radio"/> a. <input checked="" type="radio"/> b. <input type="radio"/> c. <input type="radio"/> d.	
● Week 2 : Programming Assignment 2 (/noc22_cs47/progassignment? name=136)	Yes, the answer is correct. Score: 1 Accepted Answers: b.	
● Week 2 : Programming Assignment 3 (/noc22_cs47/progassignment? name=137)	3) Following is a program given for this question.	1 point
● Week 2 : Programming Assignment 4 (/noc22_cs47/progassignment? name=138)	<pre>public class Main{ public static void main(String[] args) { char[] copyFrom = { 'j', 'a', 'n', 'p', 't', 'e', 'l', 'j', 'a', 'v', 'a' }; char[] copyTo = new char[9]; System.arraycopy(copyFrom, 3, copyTo, 0, 9); } }</pre>	
● Week 2 : Programming Assignment 5 (/noc22_cs47/progassignment? name=139)	What will be the output of the above program? a. javanptel b. npTELjava c. janjavantel d. janNPTELjava	
○ Feedback For Week 2 (unit? unit=24&lesson=30)	<input type="radio"/> a. <input checked="" type="radio"/> b. <input type="radio"/> c. <input type="radio"/> d.	
○ Assignment 2 Solution (unit? unit=24&lesson=171)		
Week 3 : ()		
Week 4 : ()	Yes, the answer is correct.	

Week 5 : ()**Week 6 : ()****Week 7 : ()****Week 8 : ()****Week 9 : ()****Week 10 : ()****Week 11 : ()****Week 12 : ()****DOWNLOAD****VIDEOS ()****Books ()****Text****Transcripts ()****SET-I****Unproctored****Exam ()****SET-II****Unproctored****Exam ()**

Score: 1

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 : 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.

Yes, the answer is correct.

Score: 1

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.

Yes, the answer is correct.

Score: 1

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.

Yes, the answer is correct.

Score: 1

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.

Yes, the answer is correct.

Score: 1

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.

Yes, the answer is correct.

Score: 1

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.

Yes, the answer is correct.

Score: 1

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.

Yes, the answer is correct.

Score: 1

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 2022-02-16, 23:59 IST.****Assignment submitted on 2022-02-09, 05:08 IST**

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=163)

Week 3 :
Programming
Assignment 1
(/noc22_cs47/progassigrm?
name=157)

Week 3 :
Programming
Assignment 2
(/noc22_cs47/progassigrm?
name=158)

Week 3 :
Programming
Assignment 3
(/noc22_cs47/progassigrm?
name=159)

Week 3 :
Programming
Assignment 4
(/noc22_cs47/progassigrm?
name=161)

Week 3 :
Programming
Assignment 5
(/noc22_cs47/progassigrm?
name=162)

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

Assignment 3
Solution (unit?
unit=31&lesson=173)

Week 4 : ()

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.j-super.i ;
        System.out.println(super.i + " " + super.j);
    }
}
public class inheritance
{
    public static void main(String args[])
    {
        B obj = new B();
        obj.i=3;
        obj.j=6;
        obj.display();
    }
}
```

What is the output of the above program?

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

a.

b.

c.

d.

Yes, the answer is correct.
Score: 1

Accepted Answers:
b.

1 point

[Week 5 : \(\)](#)[Week 6 : \(\)](#)[Week 7 : \(\)](#)[Week 8 : \(\)](#)[Week 9 : \(\)](#)[Week 10 : \(\)](#)[Week 11 : \(\)](#)[Week 12 : \(\)](#)[DOWNLOAD
VIDEOS \(\)](#)[Books \(\)](#)[Text
Transcripts \(\)](#)[SET-I
Unproctored
Exam \(\)](#)[SET-II
Unproctored
Exam \(\)](#)

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 = 2;
        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.

Yes, the answer is correct.
Score: 1

Accepted Answers:

a.

3)

1 point

If a class inheriting an abstract class does not define all of its functions then it will be known as?

- a) Default
- b) Abstract
- c) A simple class
- d) Static class

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

Yes, the answer is correct.
Score: 1

Accepted Answers:

b.

4)

1 point

Which among the following best describes polymorphism?

- a) It is the ability for many messages/data to be processed in one way
- b) It is the ability for a message/data to be processed in only 1 form
- c) It is the ability for a message/data to be processed in more than one form
- d) It is the ability for undefined message/data to be processed in at least one way

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

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 is the output of the above program?

- a. 30
- b. 20
- c. Compiler error
- d. Runtime error

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

6) **All the variables of the 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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

7) **Disadvantage(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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

8) **When does method overloading is determined?****1 point**

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

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. Output : 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.

Yes, the answer is correct.

Score: 1

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 **static field**.
- d. A local variable stores temporary state; it is declared inside a **method**.

 a. b. c. d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

b.

c.

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 : ()**

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 2022-02-23, 23:59 IST.****Assignment submitted on 2022-02-19, 21:30 IST**

1)

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

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

 a. b. c. d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

b.

d.

2)

1 point

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

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

Quiz: Week 4 :
Assignment 4
(assessment?
name=169)

Week 4 :
Programming
Assignment 1
(/noc22_cs47/progassignment?
name=164)

Week 4 :
Programming
Assignment 2
(/noc22_cs47/progassignment?
name=165)

Week 4 :
Programming
Assignment 3
(/noc22_cs47/progassignment?
name=166)

Week 4 :
Programming
Assignment 4
(/noc22_cs47/progassignment?
name=167)

Week 4 :
Programming
Assignment 5
(/noc22_cs47/progassignment?
name=168)

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

Assignment 4
Solution (unit?
unit=38&lesson=181)

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

- 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.

Yes, the answer is correct.
Score: 1

Accepted Answers:

c.

3)

1 point

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

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

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

Yes, the answer is correct.
Score: 1

Accepted Answers:

a.

b.

c.

4)

1 point

Week 5 : ()

[Week 6 : \(\)](#)[Week 7 : \(\)](#)[Week 8 : \(\)](#)[Week 9 : \(\)](#)[Week 10 : \(\)](#)[Week 11 : \(\)](#)[Week 12 : \(\)](#)[DOWNLOAD VIDEOS \(\)](#)[Books \(\)](#)[Text Transcripts \(\)](#)[SET-I Unproctored Exam \(\)](#)[SET-II Unproctored Exam \(\)](#)**Which of these access specifier(s) can be used for an interface?**

- a. public
- b. protected
- c. private
- d. Both b and c

 a. b. c. d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

5)

1 point

Consider the program given below.

```
import static java.lang.Math.*;  
  
public class Main{  
    public static void main(String args[]){  
        System.out.println(cos(3*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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

6)

1 point

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

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

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

7)

1 point

Consider the program given below.

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

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

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

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

8)

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

10)

1 point

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

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

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

Partially Correct.

Score: 0.75

Accepted Answers:

a.
b.
c.
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 : ()

○ 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 2022-03-02, 23:59 IST.

Assignment submitted on 2022-03-02, 22:18 IST

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

2)

1 point

Handling-I
(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: Week 5 :
Assignment 5
(assessment?
name=172)

Week 5 :
Programming
Assignment 1
(/noc22_cs47/progassigrmrn
name=140)

Week 5 :
Programming
Assignment 2
(/noc22_cs47/progassigrment?
name=141)

Week 5 :
Programming
Assignment 3
(/noc22_cs47/progassigrment?
name=142)

Week 5 :
Programming
Assignment 4
(/noc22_cs47/progassigrment?
name=143)

Week 5 :
Programming
Assignment 5
(/noc22_cs47/progassigrment?
name=144)

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

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

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

- a
 b
 c
 d

Yes, the answer is correct.
Score: 1

Accepted Answers:

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

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

- a
 b
 c
 d

Yes, the answer is correct.

Assignment 5
Solution (unit?
unit=45&lesson=188)

Week 6 : ()

Week 7 : ()

Week 8 : ()

Week 9 : ()

Week 10 : ()

Week 11 : ()

Week 12 : ()

**DOWNLOAD
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Books ()

**Text
Transcripts ()**

**SET-I
Unproctored
Exam ()**

**SET-II
Unproctored
Exam ()**

Score: 1

Accepted Answers:

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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

9)

1 pointWhat 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(ArithmeticeException e) {  
            System.out.print("0");  
        }  
        finally {  
            System.out.print("B");  
        }  
    }  
}
```

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

- a
- b
- c
- d

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

10)

1 pointWhen 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

Yes, the answer is correct.

Score: 1

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 : ()

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 2022-03-09, 23:59 IST.

Assignment submitted on 2022-02-27, 20:14 IST

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

Yes, the answer is correct.

Score: 1

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=180)

Week 6 :
Programming
Assignment 1
(/noc22_cs47/progassigrm
name=174)

Week 6 :
Programming
Assignment 2
(/noc22_cs47/progassigrm.....
name=175)

Week 6 :
Programming
Assignment 3
(/noc22_cs47/progassigrm?.....
name=177)

Week 6 :
Programming
Assignment 4
(/noc22_cs47/progassigrm?
name=176)

Week 6 :
Programming
Assignment 5
(/noc22_cs47/progassigrm?
name=179)

Feedback For
Week 6 (unit?
unit=52&lesson=58)

Assignment 6
Solution (unit?
unit=52&lesson=190)

What is difference between starting thread with run() and start() method?

- a. There is no difference
- b. When you call start() method, main thread internally calls run() method to start newly created Thread
- c. run() calls start() method internally
- d. None

a
 b
 c
 d

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

3)

1 point

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

4)

1 point

[Week 7 : \(\)](#)[Week 8 : \(\)](#)[Week 9 : \(\)](#)[Week 10 : \(\)](#)[Week 11 : \(\)](#)[Week 12 : \(\)](#)[DOWNLOAD VIDEOS \(\)](#)[Books \(\)](#)[Text Transcripts \(\)](#)[SET-I Unproctored Exam \(\)](#)[SET-II Unproctored Exam \(\)](#)**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

a
 b
 c
 d

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

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

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

a
 b
 c

d

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

b
c
d

10)

1 point

Which of these keywords is/are a part of exception handling?

- a) try
- b) finally
- c) thrown
- d) catch

 a b c d

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

b

d

X



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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 2022-03-16, 23:59 IST.****Assignment submitted on 2022-03-12, 09:15 IST**

1)

1 point

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

- a. InputStream
- b. OutputStream
- c. FileReader
- d. FileWriter

 a b c d

Yes, the answer is correct.

Score: 1

Accepted Answers:

c

d

2)

1 point

(unit?
unit=59&lesson=61)

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

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

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

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

- a
- b
- c
- d

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

Yes, the answer is correct.
Score: 1

Accepted Answers:

c

Quiz: Week 7 :
Assignment 7
(assessment?
name=187)

3)

1 point

```
import java.io.*;

public class Question {
    public static void main(String[] args)
    {
        try {
            PrintWriter writer = new PrintWriter(System.out);

            writer.write(9+97);

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

Week 7 :
Programming
Assignment 1
(/noc22_cs47/progassigrm
name=182)

Week 7 :
Programming
Assignment 2
(/noc22_cs47/progassigrm
name=183)

Week 7 :
Programming
Assignment 3
(/noc22_cs47/progassigrm
name=184)

Week 7 :
Programming
Assignment 4
(/noc22_cs47/progassigrm
name=185)

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. j

- d. 106

Week 7 :
Programming
Assignment 5
(/noc22_cs47/progassigrm
name=186)

- a

- b

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

Assignment 7
Solution (unit?
unit=59&lesson=204)

Week 8 : ()

Week 9 : ()

Week 10 : ()

Week 11 : ()

Week 12 : ()

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Transcripts ()**

**SET-I
Unproctored
Exam ()**

**SET-II
Unproctored
Exam ()**

- c
 d

Yes, the answer is correct.
Score: 1

Accepted Answers:

c

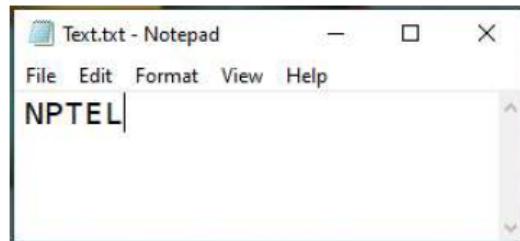
4)

1 point

```
import java.io.*;

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

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



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

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

- a
 b
 c
 d

Yes, the answer is correct.
Score: 1

Accepted Answers:

a

5)

1 point

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

- 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

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

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

1 point

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

a
 b
 c
 d

Yes, the answer is correct.

Score: 1

Accepted Answers:

a
b
c

7)

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

Yes, the answer is correct.
Score: 1

Accepted Answers:

a

8)

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

Yes, the answer is correct.
Score: 1

Accepted Answers:

b

9)

1 point

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

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

- a
- b
- c
- d

Yes, the answer is correct.
Score: 1

Accepted Answers:

b

c

d

10)

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

b

c

d

X



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Course
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How does an
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Week 0 : ()

Week 1 : ()

Week 2 : ()

Week 3 : ()

Week 4 : ()

Week 5 : ()

Week 6 : ()

Week 7 : ()

Week 8 : ()

Lecture 36 :
Applet
Programming -

Week 8 : Assignment 8

The due date for submitting this assignment has passed.

Due on 2022-03-23, 23:59 IST.

Assignment submitted on 2022-03-13, 22:01 IST

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

2)

1 point

III (unit?
unit=66&lesson=67)

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

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

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

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

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

Quiz: Week 8 :
Assignment 8
(assessment?
name=189)

Week 8 :
Programming
Assignment 1
(/noc22_cs47/progassigment
name=145)

Week 8 :
Programming
Assignment 2
(/noc22_cs47/progassigment
name=146)

Week 8 :
Programming
Assignment 3
(/noc22_cs47/progassigment
name=147)

Week 8 :
Programming
Assignment 4

Which of the following is/are NOT an exception of java.awt package?

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

a
 b
 c
 d

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

3)

1 point

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

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

a
 b
 c
 d

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

4)

1 point

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

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

a
 b

(/noc22_cs47/progassigment? c
name=148)
 d

Week 8 :
Programming
Assignment 5
(/noc22_cs47/progassigment?
name=149)

Yes, the answer is correct.
Score: 1
Accepted Answers:
b

Assignment 8
Solution (unit?
unit=66&lesson=212)

5) **1 point**

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

Week 9 : ()

Week 10 : ()

Week 11 : ()

Week 12 : ()

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Transcripts ()

SET-I
Unproctored
Exam ()

SET-II
Unproctored
Exam ()

Yes, the answer is correct.
Score: 1
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

Yes, the answer is correct.
Score: 1
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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.
Score: 1

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

Yes, the answer is correct.
Score: 1

Accepted Answers:

c

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 : ()****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 2022-03-30, 23:59 IST.****Assignment submitted on 2022-03-23, 21:06 IST**

1)

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

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

 a b c d

Partially Correct.

Score: 0.5

Accepted Answers:

b

c

XV (unit? unit=73&lesson=74)	2) In Java AWT, TextArea and TextField are subclass of:	1 point
○ Lecture 42 : AWT Programming-- III (unit? unit=73&lesson=75)	a. List. b. Label. c. TextComponent. d. TextComponent and Label, respectively.	
○ Lecture 43 : Swing Programming - I (unit? unit=73&lesson=76)	<input type="radio"/> a <input type="radio"/> b <input checked="" type="radio"/> c <input type="radio"/> d	
○ Lecture 44 : Swing Programming - II (unit? unit=73&lesson=77)	Yes, the answer is correct. Score: 1 Accepted Answers: c	
○ Lecture 45 : Demonstration- XVI (unit? unit=73&lesson=78)	3) Analyze the following code.	1 point
○ Feedback For Week 9 (unit? unit=73&lesson=79)	<pre>import java.awt.*; import javax.swing.*; public class Test { public static void main(String[] args) { JFrame frame = new JFrame("My Frame"); frame.add(new JButton("Cancel")); frame.add(new JButton("OK ")); frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE); frame.setSize(200, 200); frame.setVisible(true); } }</pre>	
● Week 9 : Programming Assignment 1 (/noc22_cs47/progassigrm name=191)	Which button will be displayed(or can be seen by user)?	
● Week 9 : Programming Assignment 2 (/noc22_cs47/progassigrm name=192)	a. OK b. Cancel c. both d. None	
● Week 9 : Programming Assignment 3 (/noc22_cs47/progassigrm? name=193)	<input checked="" type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	
● Week 9 : Programming Assignment 4 (/noc22_cs47/progassigrm? name=194)	Yes, the answer is correct. Score: 1 Accepted Answers: a	
● Week 9 : Programming		

1 point

Assignment 5

(/noc22_cs47/progassigrmr
name=195)

4)

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

Quiz: Week 9 :
Assignment 9
(assessment?
name=203)

Assignment 9
 Solution (unit?
 unit=73&lesson=214)

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

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

a
 b
 c
 d

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

Week 10 : ()**Week 11 : ()****Week 12 : ()****DOWNLOAD
VIDEOS ()****Books ()****Text
Transcripts ()****SET-I
Unproctored
Exam ()****SET-II
Unproctored
Exam ()**

5)

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

6)

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

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

- a
- b
- c
- d

Yes, the answer is correct.

Score: 1

Accepted Answers:

- a
- b
- c

7)

1 point

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

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

- a
- b
- c
- d

Yes, the answer is correct.

Score: 1

Accepted Answers:

- a
- b
- d

8)

1 point

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

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

- a
- b
- c
- d

Yes, the answer is correct.

Score: 1

Accepted Answers:

- c

d

9)

1 point

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

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

a

b

c

d

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

d

10)

1 point

Which package provides many methods for graphics programming?

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

a

b

c

d

Yes, the answer is correct.

Score: 1

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 : ()****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 2022-04-06, 23:59 IST.****Assignment submitted on 2022-03-28, 20:06 IST**

1)

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

	2) Which of the following statement(s) is/are false?	1 point
○ Lecture 46 : Demonstration-XVII (unit? unit=80&lesson=81)	a. DatagramSocket is a UDP endpoint API .	
○ Lecture 47 : Demonstration-XVIII (unit? unit=80&lesson=82)	b. DatagramSocket is a TCP server API .	
○ Lecture 48 : Networking with Java (unit? unit=80&lesson=83)	c. ServerSocket is a TCP server API.	
○ Lecture 48 : Networking with Java (unit? unit=80&lesson=83)	d. ServerSocket is a TCP client API.	
○ Lecture 49 : Demonstration-XIX (unit? unit=80&lesson=84)	<input type="checkbox"/> a <input checked="" type="checkbox"/> b <input type="checkbox"/> c <input checked="" type="checkbox"/> d	Yes, the answer is correct. Score: 1 Accepted Answers: <i>b</i> <i>d</i>
○ Lecture 50 : JDBC - I (unit? unit=80&lesson=85)	3)	1 point
○ Feedback For Week 10 (unit? unit=80&lesson=86)	In the socket programming, for an IP address, which can be used to find the host name and IP address of a client/ server?	
● Week 10 : Programming Assignment 1 (/noc22_cs47/progassigrmr name=205)	a. The ServerSocket class b. The Socket class c. The InetAddress class d. The Connection interface	
● Week 10 : Programming Assignment 2 (/noc22_cs47/progassigrment? name=206)	<input type="radio"/> a <input type="radio"/> b <input checked="" type="radio"/> c <input type="radio"/> d	Yes, the answer is correct. Score: 1 Accepted Answers: <i>c</i>
● Week 10 : Programming Assignment 3 (/noc22_cs47/progassigrment? name=207)	4)	1 point
● Week 10 : Programming Assignment 4 (/noc22_cs47/progassigrmr name=208)	Which of the following package contains classes and interfaces for networking? a. java.io b. java.util c. java.net d. javax.swing	
● Week 10 : Programming Assignment 5	<input type="radio"/> a	

- (/noc22_cs47/progassignment?name=209)
 b
 c
 d

Quiz: Week 10 : Assignment 10 (assessment? name=211)

Assignment 10 Solution (unit? unit=80&lesson=216)

Week 11 : ()

Week 12 : ()

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Text Transcripts ()

SET-I Unproctored Exam ()

SET-II Unproctored Exam ()

Yes, the answer is correct.

Score: 1

Accepted Answers:

c

5) **In the following URL, identify the Resource name?**

1 point

<https://xyz.ac.in>

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

a

b

c

d

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

6) **Which of the following is/are transport layer protocol(s)?**

1 point

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

a

b

c

d

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

b

7)

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

8)

1 point**Which of the following is/are valid Data Definition Language (DDL) command(s)?**

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

a
 b
 c
 d

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

c

10)

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. Connect(string url, string userID, string password).

- a
- b
- c
- d

Yes, the answer is correct.

Score: 1

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 : ()****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 2022-04-13, 23:59 IST.****Assignment submitted on 2022-04-03, 19:38 IST****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

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

1 point**Week 11 : ()****2) Which of the following is a JDBC class component?**

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

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

a
 b
 c
 d

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)

Yes, the answer is correct.
Score: 1

Accepted Answers:
b

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

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).

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

Week 11 :
Programming
Assignment 1
(/noc22_cs47/progassigrm
name=150)

a
 b
 c
 d

Week 11 :
Programming
Assignment 2
(/noc22_cs47/progassigrm?
name=151)

Week 11 :
Programming
Assignment 3
(/noc22_cs47/progassigrm?
name=152)

Yes, the answer is correct.
Score: 1

Accepted Answers:

*b**c*

Week 11 :
Programming
Assignment 4
(/noc22_cs47/progassigrm?
name=153)

4)

1 point

Week 11 :
Programming

Assignment 5

(/noc22_cs47/progassigrmr
0 ?
name=154)

Quiz: Week 11
: Assignment
11
(assessment?
name=213)

Assignment 11
 Solution (unit?
 unit=87&lesson=231)

Week 12 : ()**DOWNLOAD**
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Transcripts ()**SET-I**
Unproctored
Exam ()**SET-II**
Unproctored
Exam ()

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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.
Score: 1

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

Yes, the answer is correct.
Score: 1

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

Yes, the answer is correct.
Score: 1

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 2022-04-20, 23:59 IST.

Assignment submitted on 2022-04-11, 08:54 IST

1)

1 point

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

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

- a
- b
- c
- d

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

2)

1 point

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

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

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

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

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

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

Feedback For
Week 12 (unit?
unit=94&lesson=100)

Week 12 :
Programming
Assignment 2
(/noc22_cs47/progassigrmr
name=197)

Week 12 :
Programming
Assignment 3
(/noc22_cs47/progassigrmr
name=198)

Week 12 :
Programming
Assignment 4
(/noc22_cs47/progassigrmr
name=199)

Week 12 :
Programming
Assignment 5

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

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

- a
- b
- c
- d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

d

3)

1 point

Let's consider the following program in Java.

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

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

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

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

- a
- b
- c

(/noc22_cs47/progassigment? d
name=200)

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

(/noc22_cs47/progassigment?
name=202)

4)

1 point

● Quiz: Week 12 : Assignment 12 (assessment? name=215)

○ Assignment 12 Solution (unit? unit=94&lesson=232)

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SET-II Unproctored Exam ()

- a
- b
- c
- d

Partially Correct.

Score: 0.67

Accepted Answers:

a
b
d

5)

1 point

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

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

- a
- b
- c
- d

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

6)

1 point

Consider the following piece of code in Java.

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

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

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

- a
- b
- c
- d
- e

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

7)

1 point

Consider the following program:

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

What is the output of the following program?

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

a
 b
 c
 d

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

b

9)

1 point

Consider the following program:

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

What is the output of the following program?

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

- a
- b
- c
- d

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

10)

1 point

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

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

- a
- b
- c
- d

Yes, the answer is correct.

Score: 1

Accepted Answers:

b