

Uploaded by youtube.com/c/getpythoncode
 Contact me at amazonking616@gmail.com
 Telegram id - @AKGp



(<https://swayam.gov.in>)



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

amazonking616@gmail.com ▾

[NPTEL \(<https://swayam.gov.in/explorer?ncCode=NPTEL>\)](https://swayam.gov.in/explorer?ncCode=NPTEL) » Programming In Java (course)



Course outline

How does an
NPTEL
online
course
work? ()

Week 0 : ()

Week 1 : ()

Lecture 01 :
Introduction
(unit?
unit=18&lesson=19)

Lecture 02 :
Java
Programming
Steps (unit?
unit=18&lesson=20)

Lecture 03 :
Java Tools and
Resources
(unit?
unit=18&lesson=21)

Lecture 04 :
Demonstration-
I (unit?
unit=18&lesson=22)

Lecture 05 :
Java Applet
Programming

Week 1:Assignment 1

The due date for submitting this assignment has passed.

Due on 2022-08-10, 23:59 IST.

Assignment submitted on 2022-08-05, 16:21 IST

1) 1 point

Consider the following program.

```
public class Question{
    public static void main(String args[]){
        for(int b=7;b>3;b-=5){
            System.out.print(b+++b);
        }
    }
}
```

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

- a. 15
- b. 12
- c. 14
- d. 10

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

Yes, the answer is correct.
Score: 1

Accepted Answers:

a.

2)

1 point

(unit?
unit=18&lesson=23)

● Quiz: Week
1:Assignment
1
(assessment?
name=142)

● Week 1:
Programming
Assignment 1
(/noc22_cs102/progassig
name=143)

● Week 1 :
Programming
Assignment 2
(/noc22_cs102/progassig
name=144)

● Week 1 :
Programming
Assignment 3
(/noc22_cs102/progassig
name=145)

● Week 1 :
Programming
Assignment 4
(/noc22_cs102/progassig
name=146)

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 **first and the last but one characters** in the array npTEL.

- a. npTEL[npTEL.length-2] + npTEL[0]
- b. npTEL[0] + npTEL[npTEL.length-2]
- c. "" + npTEL[npTEL.length-2] + npTEL[0]
- d. "" + npTEL[0] + npTEL[npTEL.length-2]

a.

b.

c.

d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

1 point

Consider the following program.

```
public class Question {
    public static void main(String args[]) {
        int product = 1;
        int N = Integer.parseInt(args[0]);
        for (int i = 1; i <= N; i++)
            product *= i;
        System.out.println(product);
    }
}
```

Week 2 : ()

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

- a. Print the value of N!
- b. Print the value of N(N+1)/2
- c. Print the value of 1×3×5×...×N
- d. Print the value of 1!×2!×3!×...×N!

a.

b.

c.

d.

Week 3 : ()

Week 4 : ()

Week 5 : ()

Week 6 : ()

Week 7 : ()

[Week 8 : \(\)](#)

Yes, the answer is correct.
Score: 1

Accepted Answers:

a.

4)

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

- a. byte
- b. throw
- c. this
- d. extend

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

5)

1 point

Consider the following program.

```
public class Question{
    public static void main(String args[]){
        int N = Integer.parseInt(args[0]);
        int v = 1;
        while (v <= N/2)
            v = 2*v;
        System.out.println(v);
    }
}
```

What will be the output of the program if it is executed? Let N=10

- a. 5
- b. 20
- c. 8
- d. 10

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

6)

1 point

A platform is the hardware or software environment in which a program runs. Which of the following is/are Java platform component(s)?

- a. HTML
- b. Java Virtual Machine
- c. Java Application Programming Interface (API)
- d. HotJava

a.
 b.
 c.
 d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

- b.
- c.

7)

1 point

What is the value returned by the method `f()` defined below ?

```
public static int f(int x, int y){return (x>y) ? y : x;}
```

- a. The sum of x and y that is, $x + y$.
- b. The difference of x and y that is, $x - y$.
- c. The maximum of x and y that is, the larger value of x and y.
- d. The minimum of x and y that is, the smaller value of x and y.

a.
 b.
 c.
 d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

- d.

8)

1 point

A Java file with extension '.class' contains

- a. Java source code
- b. HTML tags
- c. Java Byte code
- d. A program file written in Java programming language

a.
 b.
 c.

d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

9)

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.

10)

1 point

Consider the following program.

```
public class Question{
    public static void main(String args[]){
        int f = 0, g = 1;
        for (int i = 0; i <= 5; i++)
        {
            System.out.println(f);
            f = f + g;
            g = f - g;
        }
    }
}
```

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

- a. Print first six even numbers.
- b. Print first six odd numbers.
- c. Print first five even numbers.
- d. Print first six Fibonacci numbers

a.

b.

c.

d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

X



(https://swayam.gov.in)



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

amazonking616@gmail.com ▾

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

≡

Course outline

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

Week 0 : ()**Week 1 : ()****Week 2 : ()**

Lecture 06 :
Demonstration-II (unit?
unit=26&lesson=27)

Lecture 07 :
Encapsulation
(unit?
unit=26&lesson=28)

Lecture 08 :
Demonstration-III (unit?
unit=26&lesson=29)

Lecture 09 :
Java
Programming
Insights (unit?
unit=26&lesson=30)

Week 2:Assignment 2

The due date for submitting this assignment has passed.**Due on 2022-08-10, 23:59 IST.****Assignment submitted on 2022-08-05, 12:54 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.
-
- c.
-

Yes, the answer is correct.
Score: 1

Accepted Answers:

c.

2)

1 point

Lecture 10 :
Demonstration-
IV (unit?
unit=26&lesson=31)

Quiz: Week
2:Assignment
2
(assessment?
name=148)

Week 2 :
Programming
Assignment 1
(/noc22_cs102/progassignment?
name=149)

Week 2 :
Programming
Assignment 2
(/noc22_cs102/progassignment?
name=150)

Week 2 :
Programming
Assignment 3
(/noc22_cs102/progassignment?
name=151)

Week 2 :
Programming
Assignment 4
(/noc22_cs102/progassignment?
name=152)

Week 2 :
Programming
Assignment 5
(/noc22_cs102/progassignment?
name=153)

Feedback For
Week 2 (unit?
unit=26&lesson=32)

Assignment 2
Solution (unit?
unit=26&lesson=33)

Week 3 : ()

Week 4 : ()

Week 5 : ()

Week 6 : ()

Week 7 : ()

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

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

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

Yes, the answer is correct.
Score: 1

Accepted Answers:
b.

3)

1 point

Following is a program given for this question.

```
public class Main{
    public static void main(String[] args) {
        char[] copyFrom = { 'j', 'a', 'n', 'n', 'p', 't',
        'e', 'l', 'j', 'a', 'v', 'a', };;
        char[] copyTo = new char[9];
        System.arraycopy(copyFrom, 3, copyTo, 0, 9);
    }
}
```

What will be the output of the above program?

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

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

Yes, the answer is correct.
Score: 1

Accepted Answers:
b.

4)

0 points

[Week 8 : \(\)](#)[Week 9 : \(\)](#)[Week 10 : \(\)](#)[Week 11 : \(\)](#)[Week 12 : \(\)](#)[DOWNLOAD VIDEOS \(\)](#)[Books \(\)](#)[Text Transcripts \(\)](#)[Programming Exam 2022 \(First Session\) \(10am - 12pm\) \(\)](#)[Programming Exam 2022 \(Second Session\) \(8pm - 10pm\) \(\)](#)

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: 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.

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



(https://swayam.gov.in)



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

amazonking616@gmail.com ▾

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

≡

Course outline

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

Week 0 : ()**Week 1 : ()****Week 2 : ()****Week 3 : ()**

Lecture 11 :
Java Static
Scope Rule
(unit?
unit=34&lesson=35)

Lecture 12 :
Demonstration-
V (unit?
unit=34&lesson=36)

Lecture 13 :
Inheritance
(unit?
unit=34&lesson=37)

Lecture 14 :
Demonstration-

Week 3:Assignment 3

The due date for submitting this assignment has passed.**Due on 2022-08-17, 23:59 IST.****Assignment submitted on 2022-08-08, 21:44 IST****1)****1 point****Which of this keyword can be used in a sub class to call the constructor of super class?**

- a. super
- b. this
- c. extent
- d. extends

 a. b. c. d.

Yes, the answer is correct.
Score: 1

Accepted Answers:

a.

2)**1 point**

VI (unit?
unit=34&lesson=38)

● Lecture 15 :
Information
Hiding (unit?
unit=34&lesson=39)

● Quiz: Week
3:Assignment
3
(assessment?
name=154)

● Week 3 :
Programming
Assignment 1

(/noc22_cs102/progassignment?
name=155)

```
public class Question {
    private static int i = 0;
    private static int j = 0;

    public static void main(String[] args) {
        int i = 4;
        int k = 5;

        {
            int j = 2;
            System.out.println("i + j is "+i +j);
        }

        k = i + j;
        System.out.println(k);
        System.out.println(j);
    }
}
```

What is the output of the above program?

a. i+j is 42

4

0

b. i+j is 6

9

2

c. i+j is 42

9

2

d. i+j is 6

4

0

● Week 3 :
Programming
Assignment 2

(/noc22_cs102/progassignment?
name=156)

● Week 3 :
Programming
Assignment 3

(/noc22_cs102/progassignment?
name=157)

a.

b.

c.

d.

(/noc22_cs102/progassignment?
name=158)

Yes, the answer is correct.

Score: 1

● Week 3 :
Programming
Assignment 4

(/noc22_cs102/progassignment?
name=159)

1 point

○ Feedback For
Week 3 (unit?
unit=34&lesson=40)

○ Assignment 3
Solution (unit?
unit=34&lesson=41)

Week 4 : ()

Week 5 : ()

Week 6 : ()

Week 7 : ()

[Week 8 : \(\)](#)[Week 9 : \(\)](#)[Week 10 : \(\)](#)[Week 11 : \(\)](#)[Week 12 : \(\)](#)[DOWNLOAD VIDEOS \(\)](#)[Books \(\)](#)[Text Transcripts \(\)](#)[Programming Exam 2022 \(First Session\) \(10am - 12pm\) \(\)](#)[Programming Exam 2022 \(Second Session\) \(8pm - 10pm\) \(\)](#)

```
public class Question
{
    public static int x = 7;
    public static void main(String[] args) {

        Question a = new Question ();
        Question b = new Question ();
        a.x = 3;
        b.x = 2;
        System.out.println(a.x-b.x+Question.x);
    }
}
```

What is the output of the above program?

- a. 4
- b. 10
- c. 2
- d. runtime error

a.
 b.
 c.
 d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

4)

1 point**For each description on the left, find the best matching modifier on the right. You may use a choice more than once or not at all.**

- | | |
|---|----------------------|
| 1. Hides the instance variable from code in other files. | A. private |
| 2. Hides the method from code in other files. | B. public |
| 3. Hides the subclass from code in other files. | C. final |
| 4. Exposes the API method to code in other files. | D. static |
| 5. Prevents the value of the instance variable from being changed once initialized. | E. none of the above |
- a. 1-A,2-A,3-C,4-D,5-E
 b. 1-A,2-A,3-A,4-B,5-C
 c. 1-C,2-B,3-A,4-A,5-D
 d. None of Above

a.
 b.
 c.
 d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

5) **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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

6)

1 point

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

- a. A final method cannot be overridden in a subclass.
- b. The advantage of private static methods is that they can be reused later if you need to reinitialize the class variable.
- c. Class methods cannot use this keyword as there is no instance for this to refer to.
- d. A final method can be overridden in a subclass.

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

7)

1 point

```
public class Test1{
    Test1() {
        Test1 obj1 = new Test1();
    }

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

Which of the following statements is/ are true?

- a. Hello
- b. There will be a compile-time error.
- c. HelloHello.
- d. The program will give a runtime error.

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

8)

1 point

Consider the composition of two classes as given below.

```
public class Question5{
    public static void main(String args[]){
        String question= "Which course have you opted?";
        System.out.print(Answer.submit(question));
    }
}

class Answer{
    static String answer = "Programming with Java";
    static String submit(String question){
        return ("The answer to the question, "+question+" is "+answer);
    }
}
```

Which of the following option is true about the above program?

- a. Error: *String cannot be a method return type like void, int, char, etc.; as it is a class.*
- b. Error: *Non-static variable 'answer' cannot be referenced from a static context.*
- c. Output: The answer to the question, Which course have you opted? is Programming with Java
- d. Error: *Compilation error as variable 'question' is not static.*

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

9)

1 point

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

- a) Code readability
- b) two classes (base and inherited class) get tightly coupled
- c) Save development time and effort
- d) Code reusability

- a.
- b.
- c.

d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

10)

1 point

Which inheritance in Java programming is not supported?

- a. Multiple inheritance using classes.
- b. Multiple inheritance using interfaces.
- c. Multilevel inheritance.
- d. Single inheritance.

 a. b. c. d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

X



(https://swayam.gov.in)



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

amazonking616@gmail.com ▾

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

≡

Course outline

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

Week 0 : ()**Week 1 : ()****Week 2 : ()****Week 3 : ()****Week 4 : ()**

Lecture 16 :
Demonstration-
VII (unit?
unit=42&lesson=43)

Lecture 17 :
Packages-I
(unit?
unit=42&lesson=44)

Lecture 18 :
Packages-II
(unit?
unit=42&lesson=45)

Lecture 19 :
Demonstration-

Week 4:Assignment 4

The due date for submitting this assignment has passed.**Due on 2022-08-24, 23:59 IST.****Assignment submitted on 2022-08-13, 22:47 IST****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.

Yes, the answer is correct.
Score: 1

Accepted Answers:
c.

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

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

- a.

VIII (unit?
unit=42&lesson=46)

- b.
- c.
- d.

○ Lecture 20 :
Interface-I
(unit?
unit=42&lesson=47)

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

3)

1 point

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

● Quiz: Week
4:Assignment
4
(assessment?
name=160)

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

● Week 4 :
Programming
Assignment 1
(/noc22_cs102/progassigr
name=162)

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

● Week 4 :
Programming
Assignment 3
(/noc22_cs102/progassgnment?
name=164)

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

4)

1 point

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

● Week 4 :
Programming
Assignment 4
(/noc22_cs102/progassigr
name=165)

- 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
(/noc22_cs102/progassgnment?
name=166)

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

○ Feedback For
Week 4 (unit?
unit=42&lesson=48)

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

Week 5 : ()

5)

1 point

Week 6 : ()

Week 7 : ()

Week 8 : ()

[Week 9 : \(\)](#)[Week 10 : \(\)](#)[Week 11 : \(\)](#)[Week 12 : \(\)](#)[DOWNLOAD VIDEOS \(\)](#)[Books \(\)](#)[Text Transcripts \(\)
Programming Exam 2022 \(First Session\) \(10am - 12pm\) \(\)](#)[Programming Exam 2022 \(Second Session\) \(8pm - 10pm\) \(\)](#)

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.

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

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

- 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.

Yes, the answer is correct.

Score: 1

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.

Yes, the answer is correct.

Score: 1

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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

- d.

10)

1 point

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

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

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

- a.

X

[\(https://swayam.gov.in\)](https://swayam.gov.in)[\(https://swayam.gov.in/nc_details/NPTEL\)](https://swayam.gov.in/nc_details/NPTEL)

amazonking616@gmail.com ▾

[NPTEL \(https://swayam.gov.in/explorer?ncCode=NPTEL\)](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 : ()** Lecture 21 :
Interface-II
(unit?
unit=50&lesson=51) Lecture 22 :
Demonstration-
IX (unit?
unit=50&lesson=52) Lecture 23 :
Exception
Handling-I
(unit?
unit=50&lesson=53)

Week 5:Assignment 5

The due date for submitting this assignment has passed.**Due on 2022-08-31, 23:59 IST.****Assignment submitted on 2022-08-23, 10:53 IST**

1)

1 point

Lecture 24 :
Exception
Handling-II
(unit?
unit=50&lesson=54)

Lecture 25 :
Exception
Handling-III
(unit?
unit=50&lesson=55)

Quiz: Week 5:Assignment 5 (assessment? name=168)

Week 5 :
Programming
Assignment 1
(/noc22_cs102/progassigr
name=167)

Week 5 :
Programming
Assignment 2
(/noc22_cs102/progassigr
name=169)

Week 5 :
Programming
Assignment 3
(/noc22_cs102/progassignment
name=170)

Week 5 :
Programming
Assignment 4
(/noc22_cs102/progassignment
name=171)

Week 5 :
Programming
Assignment 5
(/noc22_cs102/progassignment
name=172)

Feedback For
Week 5 (unit?
unit=50&lesson=56)

Assignment 5
Solution (unit?
unit=50&lesson=57)

Week 6 : ()

Week 7 : ()

Consider the following program.

```
class Question{
    static int b =2;
}

class Answer extends Question{
    static int b =20;
}

public class Question1 extends Answer{
    public static void main(String args[]){
        b =100;
        System.out.println(Answer.b);
        System.out.println(b+Question.b);
    }
}
```

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

a. 100
102

b. 20
22

c. 102
100

d. 22
20

b

c

d

Yes, the answer is correct.
Score: 1

Accepted Answers:

a

1 point

[Week 8 : \(\)](#)[Week 9 : \(\)](#)[Week 10 : \(\)](#)[Week 11 : \(\)](#)[Week 12 : \(\)](#)[DOWNLOAD VIDEOS \(\)](#)[Books \(\)](#)[Text Transcripts \(\)](#)[Programming Exam 2022](#)[\(First Session\) \(10am - 12pm\) \(\)](#)[Programming Exam 2022 \(Second Session\) \(8pm - 10pm\) \(\)](#)

Consider the following program.

```
class Question {
    int a=40;
    int b=20;
}

public class Child1 extends Question {
    int a=100;
    int b=200;

    void add(int a,int b) {
        System.out.println(a+this.b-super.a);
    }

    public static void main(String[] args) {
        Child1 c = new Child1();
        c.add(10,30);
    }
}
```

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

- a. 170
- b. 130
- c. 0
- d. 260

- a
- b
- c
- d

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

3)

1 point

What is the output of the following code?

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

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

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

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

a
 b
 c
 d

Yes, the answer is correct.
Score: 1

Accepted Answers:
b

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

1 point

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

a
 b
 c
 d

Yes, the answer is correct.
Score: 1

Accepted Answers:
b
c

d

5)

1 point

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

- a. You can write a new instance method in the subclass that has the same signature as the one in the superclass, thus overriding it.
- b. You can write a new static method in the subclass that has the same signature as the one in the superclass, thus hiding it.
- c. A subclass inherits all of the public and protected members of its parent, no matter what package the subclass is in.
- d. You cannot declare new methods in the subclass that are not in the superclass.

a
 b
 c
 d

Yes, the answer is correct.

Score: 1

Accepted Answers:

a
b
c

6)

1 point

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

- a. Static methods in interfaces are never inherited.
- b. You will get a compile-time error if you attempt to change an instance method in the superclass to a static method in the subclass.
- c. You can prevent a class from being subclassed by using the final keyword in the class's declaration.
- d. An abstract class can only be subclassed; it cannot be instantiated.

a
 b
 c
 d

Yes, the answer is correct.

Score: 1

Accepted Answers:

a
b
c
d

7)

1 point

Consider the following piece of code.

```
interface A{  
    int i = 22;  
}  
  
public class B implements A {  
    void methodB() {  
        i = 2;  
        System.out.println(i);  
    }  
}
```

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

- a. There is no main () method so the program is not compile successfully.
- b. The value of i will be printed as 22, as it is static and final by default.
- c. The value of i will be printed as 2, as it is initialized in class B.
- d. Compile time error.

a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

8)

1 point

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

- a. A class can extend more than one class.
- b. An interface can extend many interfaces.
- c. An interface can implement many interfaces.
- d. A class can extend one class and implement many interfaces.

a
 b
 c
 d

Yes, the answer is correct.

Score: 1

Accepted Answers:

b
d

9) **All classes in Java are inherited from which class?** 1 point

- a. java.lang.class
- b. java.class.inherited
- c. java.class.object
- d. java.lang.Object

a
 b
 c
 d

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

10) 1 point

```
abstract class C1{
    public C1(){
        System.out.print(10);
    }
}
class C2 extends C1{
    public C2(){
        System.out.print(20);
    }
}
public class Test{
    public static void main(String[ ] a){
        new C1();
    }
}
```

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

- a. Output : 1020
- b. Output : 30
- c. Output : 2010
- d. Error: C1 is abstract; cannot be instantiated.

a
 b
 c
 d

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

X



(https://swayam.gov.in)



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

amazonking616@gmail.com ▾

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

≡

Course outline

How does an
NPTEL
online
course
work? ()

Week 0 : ()

Week 1 : ()

Week 2 : ()

Week 3 : ()

Week 4 : ()

Week 5 : ()

Week 6 : ()

Lecture 26 :
Demonstration-
X (unit?
unit=58&lesson=59)

Lecture 27 :
Multithreading-
I (unit?
unit=58&lesson=60)

Lecture 28 :
Multithreading-

Week 6:Assignment 6

The due date for submitting this assignment has passed.

Due on 2022-09-07, 23:59 IST.

Assignment submitted on 2022-09-03, 13:04 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

II (unit?
unit=58&lesson=61)

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

1 point

● Quiz: Week

6:Assignment
6
(assessment?
name=173)

● Week 6 :

Programming

Assignment 1

(/noc22_cs102/progassigr

name=174)

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

● Week 6 :

Programming

Assignment 3

(/noc22_cs102/progassignmen

name=176)

Yes, the answer is correct.

Score: 1

Accepted Answers:

a
b

● Week 6 :

Programming

Assignment 4

(/noc22_cs102/progassignment?

name=177)

a

b

1 point

● Week 6 :

Programming

Assignment 5

(/noc22_cs102/progassignment?

name=178)

a

b

○ Feedback For

Week 6 (unit?

unit=58&lesson=64)

○ Assignment 6

Solution (unit?

unit=58&lesson=65)

Week 7 : ()

[Week 8 : \(\)](#)[Week 9 : \(\)](#)[Week 10 : \(\)](#)[Week 11 : \(\)](#)[Week 12 : \(\)](#)[DOWNLOAD VIDEOS \(\)](#)[Books \(\)](#)[Text](#)[Transcripts \(\)](#)[Programming Exam 2022 \(First Session\) \(10am - 12pm\) \(\)](#)[Programming Exam 2022 \(Second Session\) \(8pm - 10pm\) \(\)](#)**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. a ArithmaticException
- c. ArithmaticException Exception Hello World
- d. ArithmaticException Hello World
- e. none

a
 b
 c
 d
 e

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 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

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

X



(https://swayam.gov.in)



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

amazonking616@gmail.com ▾

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

≡

Course outline

How does an
NPTEL
online
course
work? ()

Week 0 : ()

Week 1 : ()

Week 2 : ()

Week 3 : ()

Week 4 : ()

Week 5 : ()

Week 6 : ()

Week 7 : ()

Lecture 31 : I-
O Stream-II
(unit?
unit=66&lesson=67)

Lecture 32 : I-
O Stream-III
(unit?
unit=66&lesson=68)

Week 7:Assignment 7

The due date for submitting this assignment has passed.

Due on 2022-09-14, 23:59 IST.

Assignment submitted on 2022-09-08, 12:43 IST

1)

1 point

Which of these is method for testing whether the specified element is a file or a directory?

- a. IsFile()
- b. isFile()
- c. Isfile()
- d. isfile()

a

b

c

d

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

2)

Which of the following is/are NOT Standard Stream(s)?

1 point

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

Lecture 33 :
Demonstration-XII (unit?
unit=66&lesson=69)

- a
- b
- c
- d

Lecture 34 :
Applet
Programming - I (unit?
unit=66&lesson=70)

Yes, the answer is correct.
Score: 1

Accepted Answers:
d

Lecture 35 :
Applet
Programming - II (unit?
unit=66&lesson=71)

3)

1 point

```
import java.io.*;
public class question
{
    public static void main(String args[])
    {
        File obj = new File(" NPTEL/JULY/2022");
        System.out.print(obj.getName());
    }
}
```

Quiz: Week 7:Assignment 7 (assessment? name=180)

Week 7 :
Programming
Assignment 1
(/noc22_cs102/progassig
name=181)

What will be the output of the Java code?

- a. NPTEL
- b. NPTEL/JULY/2022
- c. ./NPTEL/JULY/2022
- d. 2022

Week 7 :
Programming
Assignment 2
(/noc22_cs102/progassig
name=182)

- a

Week 7 :
Programming
Assignment 3
(/noc22_cs102/progassig
name=183)

Yes, the answer is correct.

Score: 1

Week 7 :
Programming
Assignment 4
(/noc22_cs102/progassig
name=184)

Accepted Answers:

d

4)

1 point

Week 7 :
Programming
Assignment 5
(/noc22_cs102/progassig
name=185)

Feedback For
Week 7 (unit?
unit=66&lesson=72)

Assignment 7
Solution (unit?
unit=66&lesson=73)

[Week 8 : \(\)](#)[Week 9 : \(\)](#)[Week 10 : \(\)](#)[Week 11 : \(\)](#)[Week 12 : \(\)](#)[DOWNLOAD
VIDEOS \(\)](#)[Books \(\)](#)[Text
Transcripts \(\)](#)[Programming
Exam 2022
\(First
Session\)
\(10am -
12pm\) \(\)](#)[Programming
Exam 2022
\(Second
Session\)
\(8pm - 10pm\)
\(\)](#)

```

import java.io.*;

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

                writer.write("10"+ 6);

                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. j
- d. 106

a
 b
 c
 d

Yes, the answer is correct.
 Score: 1

Accepted Answers:
 d

5)

1 point**Which method is used to write a 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:

a

6)

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

7)

1 point

Which of these class is not a member class of java.io package?

- a. File
- b. PrintStream
- c. StringReader
- d. Stream

 a b c d

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

8)

1 point

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

- a. `FileReader`
- b. `FileWriter`
- c. `DataOutput`
- d. `DataInput`

a
 b
 c
 d

Yes, the answer is correct.

Score: 1

Accepted Answers:

c
d

9)

1 point

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

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

a
 b
 c
 d

Yes, the answer is correct.

Score: 1

Accepted Answers:

c

10)

1 point

Consider the following program.

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

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

```
----- nptel.txt -----  
HELLO  
-----
```

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

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

a
 b
 c
 d

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

X



(https://swayam.gov.in)



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

amazonking616@gmail.com ▾

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

≡

Course outline

How does an
NPTEL
online
course
work? ()

Week 0 : ()

Week 1 : ()

Week 2 : ()

Week 3 : ()

Week 4 : ()

Week 5 : ()

Week 6 : ()

Week 7 : ()

Week 8 : ()

Lecture 36 :
Applet
Programming -
III (unit?
unit=74&lesson=75)

Lecture 37 :
Demonstration

Week 8:Assignment 8

The due date for submitting this assignment has passed.

Due on 2022-09-21, 23:59 IST.

Assignment submitted on 2022-09-12, 22:25 IST

1)

1 point

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

- 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

- XIII (unit?
unit=74&lesson=76)

Lecture 38 :
Demonstration
- XIV (unit?
unit=74&lesson=77)

Lecture 39 :
AWT
Programming -
I (unit?
unit=74&lesson=78)

Lecture 40 :
AWT
Programming -
II (unit?
unit=74&lesson=79)

**Quiz: Week
8:Assignment
8
(assessment?
name=186)**

**Week 8 :
Programming
Assignment 1
(/noc22_cs102/progassignment?
name=187)**

**Week 8 :
Programming
Assignment 2
(/noc22_cs102/progassignment?
name=188)**

**Week 8 :
Programming
Assignment 3
(/noc22_cs102/progassignment?
name=189)**

**Week 8 :
Programming
Assignment 4
(/noc22_cs102/progassignment?
name=190)**

**Week 8 :
Programming
Assignment 5
(/noc22_cs102/progassignment?
name=191)**

Feedback For
Week 8 (unit?
unit=74&lesson=80)

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

- a
- b
- c
- d

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

5)

1 point

- a
- b
- c
- d

Assignment 8

Solution (unit?

unit=74&lesson=81)

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

Week 9 : ()

6)

a

b

c

d

1 point

Week 10 : ()

Week 11 : ()

Week 12 : ()

**DOWNLOAD
VIDEOS ()**

Books ()

**Text
Transcripts ()**

**Programming
Exam 2022
(First
Session)
(10am -
12pm) ()**

**Programming
Exam 2022
(Second
Session)
(8pm - 10pm)
()**

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

7)

a

b

c

d

1 point

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

8)

a

b

c

d

1 point

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

9)

a

b

c

d

e

1 point

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

10)

a

b

c

1 point

d

Yes, the answer is correct.

Score: 1

Accepted Answers:

c

X



(https://swayam.gov.in)



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

amazonking616@gmail.com ▾

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

≡

Course outline

How does an
NPTEL
online
course
work? ()

Week 0 : ()

Week 1 : ()

Week 2 : ()

Week 3 : ()

Week 4 : ()

Week 5 : ()

Week 6 : ()

Week 7 : ()

Week 8 : ()

Week 9 : ()

Lecture 41 :
Demonstration-
XV (unit?
unit=82&lesson=83)

Week 9:Assignment 9

The due date for submitting this assignment has passed.

Due on 2022-09-28, 23:59 IST.

Assignment submitted on 2022-09-27, 11:30 IST

1)

1 point

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

- a. Action Listner
- b. Change Listner
- c. Item Listner
- d. Window Listner

- a
- b
- c
- d

Yes, the answer is correct.

Score: 1

Accepted Answers:

- a
- b
- c

2)

1 point

Which of the following is/are NOT interface(s) in javax.swing package?

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



- Lecture 42 :
AWT
Programming--
III (unit?
unit=82&lesson=84) a
 b
 c
 d
- Lecture 43 :
Swing
Programming -
I (unit?
unit=82&lesson=85) Yes, the answer is correct.
Score: 1
Accepted Answers:
b
c
- Lecture 44 :
Swing
Programming -
II (unit?
unit=82&lesson=86) 3) 1 point
- Lecture 45 :
Demonstration-
XVI (unit?
unit=82&lesson=87) Which of the following statement(s) is/are false?
- Quiz: Week
9:Assignment
9
(assessment?
name=197) a. Swing component **frame** support Window Listener.
b. Swing component **combo box** support Window Listener.
c. Swing component **check box** support Window Listener.
d. Swing component **dialog** support Window Listener.
-
- Week 9 :
Programming
Assignment 1
(/noc22_cs102/progassignment?
name=192) Yes, the answer is correct.
Score: 1
Accepted Answers:
b
c
- Week 9 :
Programming
Assignment 2
(/noc22_cs102/progassignment?
name=193) 4) Which package provides many event classes and Listener interfaces for event handling?
- Week 9 :
Programming
Assignment 3
(/noc22_cs102/progassignment?
name=194) a. java.awt.activeevent
b. java.awt.event
c. java.awt.listener
d. none of these
- Week 9 :
Programming
Assignment 4
(/noc22_cs102/progassignment?
name=195) Yes, the answer is correct.
Score: 1
- Week 9 :
Programming
Assignment 5
(/noc22_cs102/progassignment?
name=196) Accepted Answers:
b



- Feedback For Week 9 (unit? unit=82&lesson=88)
- Assignment 9 Solution (unit? unit=82&lesson=89)

Week 10 : ()**Week 11 : ()****Week 12 : ()****DOWNLOAD VIDEOS ()****Books ()****Text Transcripts ()****Programming Exam 2022 (First Session) (10am - 12pm) ()****Programming Exam 2022 (Second Session) (8pm - 10pm) ()****Select the correct information**

- a. JTextField cannot be used as a JLabel.
- b. JLabel cannot be used as a JTextField.
- c. Button grouped radio button cannot be used instead of JComboBox.
- d. JPasswordField extends JLabel.

- a
 b
 c
 d

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

6)

1 point**Which of the following is/are incorrect regarding events in Java?**

- a. *EventClass* is super class of all the events.
- b. *AdjustmentEvent* will be notified if scroll bar is manipulated.
- c. All the classes and methods required for even handling in Java is in *java.awt* package.
- d. *getID()* method can be used to determine the type of event.

- a
 b
 c
 d

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

7)

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

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

- a
 b
 c
 d

Yes, the answer is correct.

Score: 1

Accepted Answers:

d



8)

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

9)

Which of the following statements are true?**1 point**

- a. Java AWT components are platform-dependent.
- b. Java Swing components are platform-independent.
- c. MVC pattern is not supported by AWT .
- d. MVC pattern is supported by Swing.

a
 b
 c
 d

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

b

c

d

10)

1 point

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

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

a
 b



c d

Yes, the answer is correct.

Score: 1

Accepted Answers:

b



X



(https://swayam.gov.in)



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

amazonking616@gmail.com ▾

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

≡

Course outline

How does an
NPTEL
online
course
work? ()

Week 0 : ()

Week 1 : ()

Week 2 : ()

Week 3 : ()

Week 4 : ()

Week 5 : ()

Week 6 : ()

Week 7 : ()

Week 8 : ()

Week 9 : ()

Week 10 : ()

Lecture 46 :
Demonstration-

Week 10:Assignment 10

The due date for submitting this assignment has passed.

Due on 2022-10-05, 23:59 IST.

Assignment submitted on 2022-09-27, 12:20 IST

- 1)
 a
 b
 c
 d

1 point

Yes, the answer is correct.
Score: 1

Accepted Answers:

a
c

- 2)
 a
 b
 c
 d

1 point

Yes, the answer is correct.
Score: 1

Accepted Answers:

a
c

- 3)
 a
 b

1 point

XVII (unit?
unit=90&lesson=91)

- c
 d

○ Lecture 47 :
Demonstration-
XVIII (unit?
unit=90&lesson=92)

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

1 point

○ Lecture 48 :
Networking
with Java
(unit?
unit=90&lesson=93)

- 4)
 a
 b
 c
 d

○ Lecture 49 :
Demonstration-
XIX (unit?
unit=90&lesson=94)

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

a
b
c
d

● Quiz: Week
10:Assignment
10
(assessment?
name=198)

- 5)
 a
 b
 c
 d

1 point

● Week 10 :
Programming
Assignment 1
(/noc22_cs102/progassignment?)
name=199)

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

b

● Week 10 :
Programming
Assignment 2
(/noc22_cs102/progassignment?)
name=200)

- 6)
 a
 b
 c
 d

1 point

● Week 10 :
Programming
Assignment 3
(/noc22_cs102/progassignment?)
name=201)

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

c
d

● Week 10 :
Programming
Assignment 4
(/noc22_cs102/progassignment?)
name=202)

- a
 b
 c
 d

1 point

● Week 10 :
Programming
Assignment 5
(/noc22_cs102/progassignment?)
name=203)

Yes, the answer is correct.

○ Feedback For
Week 10 (unit?

unit=90&lesson=96)

Assignment 10

Solution (unit?

unit=90&lesson=97)

Week 11 : ()

Week 12 : ()

**DOWNLOAD
VIDEOS ()**

Books ()

**Text
Transcripts ()**

**Programming
Exam 2022
(First
Session)
(10am -
12pm) ()**

**Programming
Exam 2022
(Second
Session)
(8pm - 10pm)
()**

Score: 1

Accepted Answers:

c

8) a

b

c

d

1 point

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

b

c

9) a

b

c

d

1 point

Yes, the answer is correct.

Score: 1

Accepted Answers:

c

10) a

b

c

d

1 point

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

X



(https://swayam.gov.in)



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

amazonking616@gmail.com ▾

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

≡

Course outline

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

Week 0 : ()**Week 1 : ()****Week 2 : ()****Week 3 : ()****Week 4 : ()****Week 5 : ()****Week 6 : ()****Week 7 : ()****Week 8 : ()****Week 9 : ()****Week 10 : ()****Week 11 : ()**

Week 11:Assignment 11

The due date for submitting this assignment has passed.**Due on 2022-10-12, 23:59 IST.****Assignment submitted on 2022-10-01, 21:06 IST**

1) MySQL is a _____.

1 point

- a. Java Database Connectivity Driver
- b. Relational Database Management System
- c. Java Runtime Environment
- d. Java Development Kit

 a b c d

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

2)

1 point**The object allows you to execute parametrized queries.**

- a. ResultSet
- b. PreparedStatement
- c. ParameterizedStatement
- d. Condition

<input checked="" type="radio"/> Lecture 51 : JDBC—II (unit? unit=98&lesson=99)	<input type="radio"/> a <input checked="" type="radio"/> b <input type="radio"/> c <input type="radio"/> d	
<input type="radio"/> Lecture 52 : JDBC—III (unit? unit=98&lesson=100)	Yes, the answer is correct. Score: 1 Accepted Answers: <i>b</i>	
<input type="radio"/> Lecture 53 : Demonstration —XX (unit? unit=98&lesson=101)	3)	1 point
<input type="radio"/> Lecture 54 : Demonstration —XXI (unit? unit=98&lesson=102)	a. JDBC works like a bridge connecting a Java application to a RDBMS, execute SQL commands and return results to the application. b. JDBC is a software component, which is both network and database independent. c. JDBC should be installed in the same machine from where the Java application will run. d. JDBC should be installed in the same server that of the database.	
<input type="radio"/> Lecture 55 : Demonstration —XXII (unit? unit=98&lesson=103)	<input checked="" type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	
<input checked="" type="radio"/> Quiz: Week 11:Assignment 11 (assessment? name=204)	Yes, the answer is correct. Score: 1 Accepted Answers: <i>a</i>	
<input checked="" type="radio"/> Week 11 : Programming Assignment 1 (/noc22_cs102/progassignment name=206)	4) Which of the following is not a JDBC drivers?	1 point
<input checked="" type="radio"/> Week 11 : Programming Assignment 2 (/noc22_cs102/progassignment name=207)	a. Native – API driver b. Thin driver c. Network protocol driver d. Local Protocol driver	
<input checked="" type="radio"/> Week 11 : Programming Assignment 3 (/noc22_cs102/progassignment name=208)	<input type="radio"/> a <input type="radio"/> b <input checked="" type="radio"/> c <input type="radio"/> d	
<input checked="" type="radio"/> Week 11 : Programming Assignment 4 (/noc22_cs102/progassignment name=209)	Yes, the answer is correct. Score: 1 Accepted Answers: <i>c</i>	
<input checked="" type="radio"/> Week 11 : Programming Assignment 5 (/noc22_cs102/progassignment? name=210)	5)	1 point

- Feedback For Week 11 (unit? unit=98&lesson=104)
- Assignment 11 Solution (unit? unit=98&lesson=105)

Week 12 : ()**DOWNLOAD VIDEOS ()****Books ()****Text Transcripts ()****Programming Exam 2022 (First Session) (10am - 12pm) ()****Programming Exam 2022 (Second Session) (8pm - 10pm) ()**

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

6)

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

7)

1 point

Which one of the following contains both date and time information?

- a. java.sql.Timestamp
- b. java.sql.Time
- c. java.io.Time
- d. java.io.Timestamp

- a
- b
- c
- d

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

8)

1 point

The following is a statement in Java using JDBC.

```
Connection con = DriverManager.getConnection  
("jdbc:mysql://localhost:3306/nptel","joy","java");
```

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

- a. 3306 is the default MySQL port.
- b. Database name is 'nptel'
- c. The database server is hosted on IP 127.0.0.1
- d. Password for user 'java' is 'joy'

a

b

c

d

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

b

c

9)

1 point

Which of the following method is used to perform DML statements in JDBC?

- a. executeResult()
- b. executeQuery()
- c. executeUpdate()
- d. execute()

a

b

c

d

Yes, the answer is correct.

Score: 1

Accepted Answers:

c

10)

1 point**The method sets the query parameters of the PreparedStatement Object.**

- a. `putString()`
- b. `insertString()`
- c. `setString()`
- d. `setToString()`

a
 b
 c
 d

Yes, the answer is correct.

Score: 1

Accepted Answers:

c

X



(https://swayam.gov.in)



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

amazonking616@gmail.com ▾

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

≡

Course outline

How does an
NPTEL
online
course
work? ()

Week 0 : ()

Week 1 : ()

Week 2 : ()

Week 3 : ()

Week 4 : ()

Week 5 : ()

Week 6 : ()

Week 7 : ()

Week 8 : ()

Week 9 : ()

Week 10 : ()

Week 11 : ()

Week 12:Assignment 12

The due date for submitting this assignment has passed.

Due on 2022-10-19, 23:59 IST.

Assignment submitted on 2022-10-13, 13:24 IST

1)

1 point

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

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

 a b c d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

2)

1 point



Week 12 : ()

Lecture 56 :
Case Study - I
(unit?
unit=106&lesson=107)

Lecture 57 :
Case Study - II
(unit?
unit=106&lesson=108)

Lecture 58 :
Case Study - III
(unit?
unit=106&lesson=109)

Lecture 59 :
Case Study - IV
(unit?
unit=106&lesson=110)

Lecture 60 :
Case Study - V
(unit?
unit=106&lesson=111)

Quiz: Week 12:Assignment 12
(assessment? name=205)

Week 12 :
Programming Assignment 1
(/noc22_cs102/progassignment name=211)

Week 12 :
Programming Assignment 2
(/noc22_cs102/progassignment name=212)

Week 12 :
Programming Assignment 3
(/noc22_cs102/progassignment name=213)

Week 12 :
Programming Assignment 4
(/noc22_cs102/progassignment name=214)

Week 12 :
Programming Assignment 5

State whether the following statements are True or False.

- i) A catch can have comma-separated multiple arguments.**
- ii) Throwing an Exception always causes program termination.**

a. True, False

b. False, True

c. True, True

d. False, False

a

b

c

d

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

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

1 point

a) java.io.date

b) java.sql.date

c) java.util.date

d) java.util.dateTime

a

b

c

d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

4)

1 point

- In Graphics class which method is used to 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)



(/noc22_cs102/progassignment?unit=215)
name=215)

- a
- b
- c
- d

Assignment 12

Solution (unit?

unit=106&lesson=113)

Feedback For

Week 12 (unit?

unit=106&lesson=112)

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

6)

1 point

Consider the following program:

```
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

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.";
    }
}
```

- a
- b
- c
- d

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

8)

1 point

- a
- b
- c
- d
- e
- f

Yes, the answer is correct.



Score: 1

Accepted Answers:

a

b

9)

a

b

c

d

1 point

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

10)

A

B

C

D

1 point

Yes, the answer is correct.

Score: 1

Accepted Answers:

B

