

Assessment sub  
X



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



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

chandan\_\_@outlook.com ✓

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

[Announcements \(announcements\)](#)   [About the Course \(preview\)](#)   [Ask a Question \(forum\)](#)

[Progress \(student/home\)](#)   [Mentor \(student/mentor\)](#)

## Unit 4 - Week 2 :

# Thank you for taking the Assignment 2.

Course  
outline

How does an  
NPTEL online  
course work?

Week 0 :  
Assignment 0

Week 1 :

Week 2 :

- ☐ Lecture 06 :  
Demonstration-  
II (unit?  
unit=24&lesson=25)
- ☐ Lecture 07 :  
Encapsulation  
(unit?  
unit=24&lesson=26)
- ☐ Lecture 08 :  
Demonstration-  
III (unit?  
unit=24&lesson=27)
- ☐ Lecture 09 :  
Java  
Programming  
Insights (unit?  
unit=24&lesson=28)
- ☐ Lecture 10 :  
Demonstration-  
IV (unit?  
unit=24&lesson=29)

## Assignment 2

Your last recorded submission was on 2020-09-29, 10:04 IST   Due date: 2020-09-30, 23:59 IST.

1) **What is the output of the following program?**

1 point

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

        int i = 10;
        int n = i++%5;
        int m = ++i%5;
        System.out.println(i+n+m);
    }
}
```

- a. 14
- b. 13
- c. 15
- d. 11

- ☒ a.
- ☐ b.
- ☐ c.
- ☐ d.

Quiz :  
Assessment submitted.  
Assignment 2  
(assessment?  
name=156)

- ☐ Java Week 2: Q1  
(/noc20\_cs58/progassign  
name=164)
- ☐ Java Week 2: Q2  
(/noc20\_cs58/progassign  
name=165)
- ☐ Java Week 2: Q3  
(/noc20\_cs58/progassignment?  
name=166)
- ☐ Java Week 2: Q4  
(/noc20\_cs58/progassignment?  
name=167)
- ☐ Java Week 2: Q5  
(/noc20\_cs58/progassignment?  
name=168)
- ☐ Feedback For  
Week 2 (unit?  
unit=24&lesson=30)

Week 3 :

Solution

DOWNLOAD  
VIDEOS

Text Transcripts

2)

1 point

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

- a. The parameterized constructor should be declared final in order for it to call the default constructor.
- b. The this() reference should be used as the first statement inside the parameterized constructor.
- c. The this() reference should be used anywhere inside the parameterized constructor.
- d. It is not possible to implicitly call the default constructor from parameterized constructor.

- ☐ a.
- ☒ b.
- ☐ c.
- ☐ d.

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', 'j', 'a', 'v', 'a',
                             'n', 'p', 't', 'e', 'l' };
        char[] copyTo = new char[9];

        System.arraycopy(copyFrom, 3, copyTo, 0, 9);
        System.out.println(new String(copyTo));
    }
}
```

What will be the output of the above program?

- a. javanptel
- b. npteljava
- c. janjavanptel
- d. janjavanp

- ☒ a.
- ☐ b.
- ☐ c.
- ☐ d.

4)

1 point

Which of the following can be used to take input from user during the execution of a program?

- a. Using the string array provided as a parameter to the main method.
- b. getText() method can be used to get user input from the command line.
- c. Scanner class can be used by passing the predefined object System.in
- d. Once the execution starts, there is no way to provide user input.

Assessment submitted.  
X

- ☐ a.
- ☐ b.
- ☒ c.
- ☐ d.

5)

1 point

Which of the following is/are TRUE about print() and println() methods?

- a. print() prints in a single line only and multiple lines cannot be printed in any way.
- b. println() prints and then appends a line break.
- c. println() prints in a single line only and multiple lines cannot be printed.
- d. print() prints and then appends a line break.

- ☐ a.
- ☒ b.
- ☐ c.
- ☐ d.

6)

1 point

Which of the following is called when a method having the same name as that the name of the class where it is defined?

- a. abstract
- b. this
- c. constructor
- d. final

- ☐ a.
- ☐ b.
- ☒ c.
- ☐ d.

7)

1 point

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

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

- ☒ a.
- ☐ b.
- ☐ c.
- ☐ d.

8)

1 point

Assessment submitted.

X

Following is a program given for this question.

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

        boolean m=Integer.valueOf(1).equals(Long.valueOf(1));
        System.out.println(m);

    }
}
```

What will be the output of the above program?

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

- ☒ a.
- ☐ b.
- ☐ c.
- ☐ d.

9)

**1 point**

Assessment submitted.

X

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

```
public class Question {
    public static void main (String[] args) {
        for (String s: args) {
            System.out.println(s+args[0]);
        }
    }
}
```

Consider the following input on command line and select the options with the correct output(s).

*Input:*

A: "jan java nptel"

B: 1 2 3

- a. A : jan nptel  
    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.

10)

**1 point**

**What is the output of the following program?**

```
public class Main{
    public static void main(String args[]){
        char a = '3';
        int b=011;
        System.out.println(a+b);
    }
}
```

- a. 60
- b. 3011
- c. 33
- d. 311

Assessment submitted.

X

- ☒ a.
- ☐ b.
- ☐ c.
- ☐ d.

You may submit any number of times before the due date. The final submission will be considered for grading.

**Submit Answers**