

X


<https://swayam.gov.in>

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

infocp27@gmail.com ▾

[NPTEL \(https://swayam.gov.in/explorer?ncCode=NPTEL\)](https://swayam.gov.in/explorer?ncCode=NPTEL) » [Programming in Java \(course\)](#)
[Announcements \(announcements\)](#)   **[About the Course \(https://swayam.gov.in/nd1\\_noc20\\_cs08/preview\)](https://swayam.gov.in/nd1_noc20_cs08/preview)**
[Ask a Question \(forum\)](#)   [Progress \(student/home\)](#)   [Mentor \(student/mentor\)](#)

## Unit 3 - Week 1 :

Register for  
Certification exam  
(<https://nptelaprilexam.swayam.gov.in>)

### Course outline

#### How does an NPTEL online course work?

#### Week 0 :

#### Week 1 :

- Lecture 01 :  
Introduction (unit?  
unit=2&lesson=15)
- Lecture 02 : Java  
Programming  
Steps (unit?  
unit=2&lesson=16)
- Lecture 03 : Java  
Tools and  
Resources (unit?  
unit=2&lesson=17)
- Lecture 04 :  
Demonstration-I  
(unit?  
unit=2&lesson=18)
- Lecture 05 : Java  
Applet  
Programming  
(unit?  
unit=2&lesson=19)
- Quiz :  
**Assignment 1**  
(assessment?  
name=93)
- Java Week 1:Q1  
(/noc20\_cs08/progassignment?  
name=101)

## Assignment 1

The due date for submitting this assignment has passed.

Due on 2020-02-12, 23:59 IST.

Assignment submitted on 2020-01-30, 15:30 IST

1) Which of the following is true?

1 point

- a. Java uses only interpreter.
- b. Java uses only compiler.
- c. Java uses both interpreter and compiler.
- d. None of the above.

- ☐ a.
- ☐ b.
- ☒ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

2) A Java file with extension '.class' contains

1 point

- 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

- Java Week 1:Q2  
(/noc20\_cs08/progassignment?name=102)
- Java Week 1:Q3  
(/noc20\_cs08/progassignment?name=103)
- Java Week 1:Q4  
(/noc20\_cs08/progassignment?name=105)
- Java Week 1:Q5  
(/noc20\_cs08/progassignment?name=106)
- Feedback For Week 1 (unit?unit=2&lesson=112)

**Week 2 :**

**Week 3 :**

**DOWNLOAD  
VIDEOS**

**Assignment  
Solution**

Accepted Answers:

c.

3)

1 point

Which of the following features are **not** common in both Java and C++?

- a. The class declaration.
- b. The access modifiers.
- c. The encapsulation of data and methods.
- d. Multiple inheritance from class

☐ a.

☐ b.

☐ c.

☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

4)

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.

5)

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.

Partially Correct.

Score: 0.5

Accepted Answers:

b.

c.

6)

1 point

Consider the following program.

```
public class Question1{
    public static void main(String args[]){
        for(int a=1;a<3;a+=3){
            System.out.print(--a);
        }
    }
}
```

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

- a. 0
- b. 01
- c. 012
- d. 0123

- ☒ a.
- ☐ b.
- ☐ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

7)

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 npel[]={ 'N', 'P', 'T', 'E', 'L' };
        System.out.print(_____);
    }
}
```

In the following, some options are given. You have to choose the correct option for the argument in *System.out.print()* function to print the first and the last characters in the array npel.

- a. npel[npel.length-1] + npel[0]
- b. npel[0] + npel[npel.length-1]
- c. "" + npel[0] + npel[npel.length-1]
- d. "" + npel[npel.length-1] + npel[0]

- ☐ a.
- ☒ b.
- ☒ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

8) Which of the following **cannot** be used for a variable name in Java?

1 point

- a. identifier
- b. final
- c. malloc
- d. calloc

- ☐ a.
- ☐ b.
- ☒ c.
- ☒ d.

No, the answer is incorrect.  
Score: 0

Accepted Answers:

b.

9)

1 point

```
public class Operator3 {
    public static void main(String[] args) {
        String str1="NPTEL";
        String str2="java";
        System.out.println(str1+str2); //Statement 1
        int a=20;
        int b=10;
        System.out.println(a+b);          //Statement 2
    }
}
```

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

- a. Except + (plus) operator all other operators are overloaded in java.
- b. The output of the Statement 1 is  
NPTELjava
- c. The output of the Statement 2 is  
1020
- d. The output of the Statement 2 is  
30

- ☐ a.
- ☒ b.
- ☐ c.
- ☒ d.

Yes, the answer is correct.  
Score: 1

Accepted Answers:

b.

d.

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

1 point

- a. `int[] a = new int[20];`
- b. `int [] a;`
- c. `int[][] a = new int[20];`
- d. `int[][] a = {{1, 2, 4}, {1, 2, 4}};`

- ☐ a.
- ☒ b.

☒ c.☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.