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**NPTEL** (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » **Programming in Java (course)**
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## Unit 3 - Week 1 :

Register for  
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Course  
outline

How does an  
NPTEL online  
course work?

Week 0 :

Week 1 :

☐ Lecture 01 :  
Introduction  
(unit?  
unit=2&lesson=15)

☐ Lecture 02 :  
Java

## Assignment 1

Your last recorded submission was on 2020-01-26, 20:51 IST    Due date: 2020-02-12, 23:59 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.

2) 1 point

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)

☐ 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?

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.

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.

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.

5)

1 point

unit=2&amp;lesson=112)

**DOWNLOAD  
VIDEOS****Assignment  
Solution**

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.

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.

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 nptel[]={ '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 nptel.

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

- ☐ a.
- ☐ b.
- ☒ c.
- ☐ d.

8)

1 point

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

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

- ☐ a.
- ☒ b.
- ☐ c.
- ☐ d.

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.

10)

1 point

Which of the following is an incorrect array declaration?

- 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.

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

**Submit Answers**

