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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)

Ask a Question (forum) Progress (student/home) Mentor (student/mentor)

Unit 3 - Week 1 :

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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
Programming
Steps (unit?
unit=2&lesson=16)
- Lecture 03 :
Java Tools and
Resources
(unit?
unit=2&lesson=17)
- Lecture 04 :
Demonstration-I

Assignment 1

 The due date for submitting this assignment has passed. **Due on 2020-02-12, 23:59 IST.**

Assignment submitted on 2020-02-12, 18:03 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.

(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?
unit=2&lesson=112)

Week 2 :

Week 3 :

Week 4 :

Week 5 :

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**Assignment
Solution**

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

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.

Yes, the answer is correct.

Score: 1

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 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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

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.

Yes, the answer is correct.

Score: 1

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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

