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infocp27@gmail.com ▾

**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 4 - Week 2 :

 Register for  
Certification exam  
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### Course outline

**How does an NPTEL  
online course work?**
**Week 0 :**
**Week 1 :**
**Week 2 :**

- ☐ Lecture 06 :  
Demonstration-II  
(unit?  
unit=3&lesson=20)
- ☐ Lecture 07 :  
Encapsulation  
(unit?  
unit=3&lesson=21)
- ☐ Lecture 08 :  
Demonstration-III  
(unit?  
unit=3&lesson=22)
- ☐ Lecture 09 : Java  
Programming  
Insights (unit?  
unit=3&lesson=23)
- ☐ Lecture 10 :  
Demonstration-IV  
(unit?  
unit=3&lesson=24)

**Quiz :**  
**Assignment 2**  
**(assessment?**  
**name=94)**

## Assignment 2

The due date for submitting this assignment has passed.

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

Assignment submitted on 2020-02-09, 17:36 IST

1)

1 point

Which of the following is an incorrect way of initializing a variable in Java?

a. Different line declaration and initialization

```
int a,b;
a=1;
b=2;
```

b. Single line declaration and initialization (One at a each line)

```
int a = 1;
int b = 2;
```

c. Single line declaration and initialization (One line multiple variable)

```
int a=1,b=2;
```

d. Single line declaration and initialization (One line multiple variable)

```
int a, b = 1, 2;
```

- ☐ a.  
☐ b.  
☐ c.  
☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

- Java Week 2:Q1  
(/noc20\_cs08/progassignme  
name=118)
- Java Week 2:Q2  
(/noc20\_cs08/progassignme  
name=119)
- Java Week 2:Q3  
(/noc20\_cs08/progassignme  
name=120)
- Java Week 2:Q4  
(/noc20\_cs08/progassignme  
name=121)
- Java Week 2:Q5  
(/noc20\_cs08/progassignme  
name=122)
- Feedback For  
Week 2 (unit?  
unit=3&lesson=113)

**Week 3 :****DOWNLOAD  
VIDEOS****Assignment  
Solution**

2)

1 point

**Which of the following is an invalid method overloading?**

- a. `static double add(int a, double b){return a*b;}`  
`static double add(double a, int b){return a*b;}`
- b. `static int add(int a, int b){return a*b;}`  
`static int add(int a, int b, int c){return a*b*c;}`
- c. `static int add(int a, int b){return a*b;}`  
`static double add(int a, int b, double c){return a*b*c;}`
- d. `static int add(int a,int b){return a*b;}`  
`static double add(int a,int b){return a*b;}`

- ☒ a.  
☐ b.  
☒ c.  
☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

3)

1 point

**Which of the following is/are TRUE regarding the string array provided as a parameter to the main method in Java?**

- a. It can be used to get command line arguments from the user.
- b. It is mandatory to name the string array as 'args'.
- c. Accessibility of the values provided as command line argument is restricted only to the main method.
- d. Only one command line argument input is allowed at a time.

- ☒ a.  
☐ b.  
☐ c.  
☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

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.

- ☒ a.  
☐ b.  
☒ c.  
☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

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. `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.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

7)

1 point

**Which of the following is NOT true about a method in a class?**

- a. A method can be defined recursively.
- b. A method can be defined without any statement in it.
- c. A constructor is a special kind of method, which can be defined recursively.
- d. A method can be defined with variable number of arguments passed into it.

- ☐ a.
- ☐ b.
- ☒ c.
- ☒ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

8)

1 point

Following is a program given for this question.

```
Public class Question8{  
    Public static void main(String args[]){  
        char a ='2';  
        int b=8;  
        System.out.println(a+b);  
    }  
}
```

What will be the output of the above program?

- a. 10
- b. 58
- c. 82
- d. 106

- ☐ a.
- ☒ b.
- ☐ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

9)

1 point

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

```
public class Question9{  
    public static void main(String args[]){  
        System.out.println(args[5]);  
    }  
}
```

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

Input:

- A: Indian Institute of Technology
- B: 1 2 3 4 5 6
- C: Indian Institute of Technology NPTEL
- D: 1 2 3 4 5

- a. A :ArrayIndexOutOfBoundsException
- b. B :6
- c. C : NPTEL
- d. D : 1 2 3 4 5

- ☒ a.
- ☐ b.
- ☐ c.
- ☐ d.

Partially Correct.

Score: 0.5

Accepted Answers:

a.

b.

10. Which of the following is a Class in Java?

1 point

- a. int
- b. String
- c. short
- d. double

- ☐ a.
- ☒ b.
- ☐ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.