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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](https://swayam.gov.in/nd1_noc20_cs08/preview))    Ask a Question (forum)

Progress (student/home)    Mentor (student/mentor)

## Unit 4 - Week 2 :

Register for  
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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)

## Assignment 2

Your last recorded submission was on 2020-02-06, 15:45 IST    Due date: 2020-02-12, 23:59 IST.

1)

**1 point**

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)

Java Week  
2:Q1  
(/noc20\_cs08/progassignment?  
name=118)

Java Week  
2:Q2  
(/noc20\_cs08/progassignment?  
name=119)

Java Week  
2:Q3  
(/noc20\_cs08/progassignment?  
name=120)

Java Week  
2:Q4  
(/noc20\_cs08/progassignment?  
name=121)

Java Week  
2:Q5  
(/noc20\_cs08/progassignment?  
name=122)

Feedback For  
Week 2 (unit?  
unit=3&lesson=113)

**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.

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.

3)

1 point

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

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.

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.

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 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.

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.

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.

10

**Which of the following is a Class in Java?**

1 point

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

☐ 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**