

Course outline

How does an NPTEL online course work?

Week 0 : Assignment 0

Week 1 :

- Lecture 01 : Introduction
- Lecture 02 : Java Programming Steps
- Lecture 03 : Java Tools and Resources
- Lecture 04 : Demonstration-I
- Lecture 05 : Java Applet Programming

○ Quiz: Assignment 1

- Java Week 1:Q1
- Java Week 1:Q2
- Java Week 1:Q3
- Java Week 1:Q4
- Java Week 1:Q5
- Feedback For Week 1

Week 2 :

Week 3 :

Week 4 :

Assignment 1

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment.

Due on 2020-09-30, 23:59 IST.

Week 5 :

Week 6 :

Week 7 :

Week 8 :

Week 9 :

Week 10 :

Week 11 :

Week 12 :

Solution

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Text Transcripts

Programming Test - (April 11
- 10AM - 12 PM)

Programming Test - (April 11
- 8PM - 10 PM)

1) Which of the following code fragment(s) is/are true?

1 point

- a.

```
public class Main
{
    static public void main(String[] argv) {
        System.out.println("Hello World");
    }
}
```
- b.

```
public class Main
{
    static public void main(String[] args) {
        System.out.println("Hello World");
    }
}
```
- c.

```
public class Main
{
    public static void main(String[] args) {
        System.out.println("Hello World");
    }
}
```
- d.

```
public class Main
{
    public static void main(String[] argv) {
        System.out.println("Hello World");
    }
}
```

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

- a.
- b.
- c.
- d.

2) Which of the following is not a valid comment?

1 point

- a. `/** comment */`
- b. `/* comment */`
- c. `/* comment`
- d. `// comment`

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

3) Which of the following is **not** an object-oriented programming paradigm?

1 point

- a. Encapsulation
- b. Inheritance
- c. Polymorphism
- d. Dynamic memory allocation

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

4) Which of the following is **not a correct** statement?

1 point

- a. It is always necessary to use `new` operator to initialize an array.
- b. Array can be initialized using comma separated expressions surrounded by curly braces.
- c. Array can be declared and memory can be allotted in one statement.
- d. An array can be declared in one statement and memory can be allocated in other statement.

- ☐ a.

- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

5) **When you compile a program written in the Java programming language, the compiler converts the human-readable source file into platform-independent code that a Java Virtual Machine can understand. What is this platform-independent code called?**

1 point

- a. Source code
- b. Bytecode
- c. Machinecode
- d. Opcode

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

6) **Consider the following program.**

1 point

```
public class Question{
    public static void main(String args[]){
        for(int a=1;a<2;a+=1){
            System.out.print(a+++a);
        }
    }
}
```

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

- a. 3
- b. 2
- c. 4
- d. 1

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

7) **Why an array is called “homogeneous collection of data” in Java?**

1 point

- a. Array cannot store multi-dimensional data.
- b. Array has a limited capacity.
- c. Array can store only one type of data.
- d. Array uses indices for addressing an item.

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

8) **Which of the following can be used for a variable name in Java?**

1 point

- a. boolean
- b. final
- c. finally
- d. calloc

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

9)

1 point

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

    System.out.println(a+b+str2); //Statement 2
}
}
```

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

- a. The output of the Statement 1 is
NPTEL2010
- b. The output of the Statement 1 is
NPTEL30
- c. The output of the Statement 2 is
1020java
- d. The output of the Statement 2 is
30java

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

- a.
- d.

10) What will be the output of the following code?

1 point

```
public class Question{  
    public static void main(String args[]){  
        if(true){  
            System.out.print("Welcome");  
        }  
        if(1==1){  
            System.out.print(" to ");  
        }  
        if(1){  
            System.out.print("NPTEL");  
        }  
    }  
}
```

- a. Welcome
- b. Welcome to
- c. Welcome to NPTEL
- d. Compilation Error

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.