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NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Programming in Java (course)

Announcements (announcements)   **About the Course (preview)**   Ask a Question (forum)

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

Unit 3 - Week 1 :

Course outline

How does an NPTEL online course work?

Week 0 : Assignment 0

Week 1 :

● Lecture 01 : Introduction (unit? unit=17&lesson=18)

● Lecture 02 : Java Programming Steps (unit? unit=17&lesson=19)

○ Lecture 03 : Java Tools and Resources (unit? unit=17&lesson=20)

○ Lecture 04 : Demonstration-I (unit? unit=17&lesson=21)

○ Lecture 05 : Java Applet

Assignment 1

Assignment not submitted   **Due date: 2020-09-30, 23:59 IST.**

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

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

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

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

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

☑ 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.

3)   *1 point*

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

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

  ○ a.
  ○ b.
  ○ c.
  ● d.

4)   ***1 point***

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

    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.

5)   ***1 point***

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?

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

  ○ a.
  ● b.
  ○ c.
  ○ d.

6)   ***1 point***

Consider the following program.

```
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.

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.

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.

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.

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.

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

Submit Answers