Unit 3 - Week 1 :

Assignment 1

The due date for submitting this assignment has passed.

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

Assignment submitted on 2020-09-19, 00:13 IST

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.

Yes, the answer is correct.
Score: 1
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.

Yes, the answer is correct.
Score: 1
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.

Yes, the answer is correct.
Score: 1
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.

Yes, the answer is correct.
Score: 1
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.

Yes, the answer is correct.
Score: 1
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.

Yes, the answer is correct.
Score: 1
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.

Yes, the answer is correct.
Score: 1
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.

Yes, the answer is correct.
Score: 1
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.

Yes, the answer is correct.
Score: 1
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(:==:){
                  System.out.print(" to ");
            }
            if(:){
                  System.out.print("NPTEL");
            }
      }
}
```

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

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

Yes, the answer is correct.
Score: 1
Accepted Answers:
d.