



PROGRAMMING IN JAVA

Assignment 1

TYPE OF QUESTION: MCQ

Number of questions: 10

Total mark: $10 \times 1 = 10$

QUESTION 1:

Which of the following is not a Language Processor?

- a. Assembler
- b. Compiler
- c. Interpreter
- d. Fortran

Correct Answer: d

Detailed Solution:

A computer understands instructions in machine code i.e., in the form of 0s and 1s. Special translators are required for this operation like Assembler, Compiler and Interpreter. Fortran is a programming language but not a language processor.

QUESTION 2:

Which of the following is not a valid comment?

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

Correct Answer: c

Detailed Solution:

Option c : `/* comment` .

This is not valid comment statement



QUESTION 3:

Consider the following program.

```
public class Question{  
    public static void main(String args[]){  
        for(int a=2;a<3;a+=1){  
            System.out.print(a+++a);  
        }  
    }  
}
```

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

- a. 5
- b. 2
- c. 4
- d. 1

Correct Answer: a

QUESTION 4:

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

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

Correct Answer: d

Detailed Solution:

final, boolean, finally are reserved keyword in Java, which cannot be used for naming a variable or class.



QUESTION 5:

Consider the following program.

```
public class Question1{  
    public static void main(String args[]){  
        int arr[]={0,1,2,3,4,5,6,7};  
        for(int b=5;b>2;b-=2){  
            System.out.println(arr[--b]);  
        }  
    }  
}
```

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

- a. 4
- b. 2
- c. 3
- d. 5

Correct Answer: a

QUESTION 6:

Following is a piece of code where some parts of a statement is missing:

```
public class Question3{  
    public static void main(String args[]){  
        char nptel[]={ 'S', 'W', 'A', 'Y', 'A', 'M' };  
        System.out.print(_____);  
    }  
}
```

In the following, some options are given. You have to choose the correct option for the argument in *System.out.print()* function to print the second and the last characters in the array nptel.

- a. `nptel[nptel.length-1] + nptel[1]`
- b. `nptel[1] + nptel[nptel.length-1]`



- c. "" + npTEL[1] + npTEL[npTEL.length-1]
- d. "" + npTEL[npTEL.length-1] + npTEL[1]

Correct Answer: c

QUESTION 7:

What is the output of this program?

```
public class Question {  
    public static void main(String args[])  
    {  
        int i = 7;  
        System.out.print(--i * 7);  
    }  
}
```

- a. 20
- b. 25
- c. 42
- d. 31

Correct Answer: c

Detailed Solution:

First the value of i will be decremented and then multiplication is performed and the result will be printed.

QUESTION 8:

Which of the following is used to find and fix bugs in the Java programs?

- a. JVM
- b. JRE
- c. JDK



d. JDB

Correct Answer: d

Detailed Solution:

The Java Debugger (JDB or jdb) is a command-line java debugger that debugs the java class.

QUESTION 9:

Which of the following is/are primitive data type(s) in Java?

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

Correct Answer: a,d

Detailed Solution:

A String in Java is actually a non-primitive data type, because it refers to an object.

Array is also a non-primitive datatype.

QUESTION 10:

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

Correct Answer: b

Detailed Solution:

Byte code is an intermediate code between source code and machine code that is executed by an interpreter such as JVM. e.g., Java class files.



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