



## PROGRAMMING IN JAVA

### Assignment2

TYPE OF QUESTION: MCQ

Number of questions: 10

Total mark:  $10 \times 1 = 10$

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#### **QUESTION 1:**

What is the output of the following program?

```
public class Main{  
    public static void main(String args[]){  
        char a = '8';  
        int b=010;  
        System.out.println(a+b);  
    }  
}
```

- a. 88
- b. 8010
- c. 64
- d. 810

**Correct Answer: c**

**Detailed Solution:**

The argument will take the + operator as the arithmetic addition on the ASCII values instead of characters.

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#### **QUESTION 2:**

Which of the following is generate API documentation in HTML format from Java source code?

- a. javac
- b. javadoc
- c. javap
- d. java



**Correct Answer: b**

**Detailed Solution:**

javadoc is generate API documentation in HTML format from Java source code.

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**QUESTION 3:**

Following is a program given for this question.

```
public class Main{
    public static void main(String[] args) {
        char[] copyFrom = { 'j', 'a', 'n', 'n', 'p', 't',
            'e', 'l', 'j', 'a', 'v', 'a', };
        char[] copyTo = new char[9];

        System.arraycopy(copyFrom, 3, copyTo, 0, 9);
    }
}
```

What will be the output of the above program?

- a. javanptel
- b. npteljava
- c. janjavanptel
- d. jannpteljava

**Correct Answer: b**

**Detailed Solution:**

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**QUESTION 4:**

**What will happen during the execution of the following code for the command line input?**

```
public class Question {
    public static void main (String[] args) {
        for (String s: args) {
            System.out.println(s+args[0]);
        }
    }
}
```



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Consider the following input on command line and select the options with the correct output(s).

*Input:*

A: "jan java npTEL"

B: 1 2 3

- a. A : jannptel  
javanptel  
npTELnpTEL
- b. A : jan java npTEL jan java npTEL
- c. B : 11  
21  
31
- d. B : 1 2 3 1

**Correct Answer: b, c**

**Detailed Solution:**

Java interpreted as a single argument, if the command line input is enclosing within quotation marks.

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**QUESTION 5:**

**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. `print()` prints and then appends a line break.
- c. `println()` prints in a single line only and multiple lines cannot be printed.
- d. `println()` prints and then appends a line break.

**Correct Answer: d**

**Detailed Solution:**

Method `print()` can be used to print in a single line only but multiple lines can be printed using escape sequence `'\n'`. Similarly, `println()` prints in a single line only and multiple lines can be printed using escape sequence `'\n'`. Method `print()` prints but does not append a line break. So, option (b) `println()` prints and then appends a line break is the only correct option.

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**QUESTION 6:**

**What was the initial name of Java when it was first developed for embedded systems?**



- a. Greentalk
- b. Oak
- c. Java
- d. Javac

**Correct Answer: a**

**Detailed Solution:**

Java was called "**Greentalk**" by James Gosling and the file extension was .gt and after that java was called **Oak** and was developed as a part of the Green project.

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**QUESTION 7:**

Which of the following is a valid declaration of an object of class, say Foo?

- a. Foo obj = new Foo;
- b. obj = new Foo();
- c. Foo obj = new Foo();
- d. new Foo obj;

**Correct Answer: c**

**Detailed Solution:**

Others are invalid declarations.

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**QUESTION 8:**

Following is a program given for this question.

```
public class Question
{
    public static void main(String[] args) {

        boolean m=Integer.valueOf(0).equals(Long.valueOf(1));
        System.out.println(m);
    }
}
```

What will be the output of the above program?

- a. 0
- b. 1



- c. false
- d. true

**Correct Answer: c**

**Detailed Solution:**

The two objects (the Integer and the Long) have different types.

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**QUESTION 9:**

**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.

**Correct Answer: c**

**Detailed Solution:**

The easiest way to read input in a Java program during execution is by using the Scanner class in java.util package. It can be used for obtaining the input of the primitive types like int, double, etc. and strings. The argument values provided in the main method is only applicable when the execution starts but during execution no value can be passed in that argument.

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**QUESTION 10:**

**What is the output of the following program?**

```
public class Question
{
    public static void main(String[] args) {

        int i = 10;
        int n = i++%2;
        int m = ++i%7;
        System.out.println(i+n+m);
    }
}
```



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- a. 14
- b. 12
- c. 15
- d. 17

**Correct Answer: d**

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