



OBJECT ORIENTED PROGRAMMING WITH JAVA

Assignment12

TYPE OF QUESTION: MCQ

Number of questions: 10

Total mark: $10 \times 1 = 10$

QUESTION 1:

Let's consider the following program in Java.

```
class Test extends Thread {  
    public void run() {  
        System.out.println("I am from Run...");  
    }  
}  
  
class MyProgram {  
    public static void main(String[] args) {  
        Test t = new Test();  
        t.start();  
    }  
}
```

If you run this program the how many threads will be executed altogether?

- a. One thread only.
- b. Two threads only.
- c. Three threads only.
- d. No thread will run in this case.

Correct Answer: b

Detailed Solution:

Here, two thread objects will be in execution: One is the thread due to the execution of the `main()` method and other is the `run()` of the object `t`.

QUESTION 2:



Which of the following displays components row-by-row in the order in which they were added to the JFrame?

- a. CardLayout
- b. FlowLayout
- c. BorderLayout
- d. GridLayout

Correct Answer: b

Detailed Solution:

Flow layout adds the components serially in the order in which they were added.

QUESTION 3:

Execution of SQL command like `SELECT * FROM myTable` using JDBC program will return a `ResultSet` object. This object is

- a. Same as the myTable.
- b. All records in verbatim from the table.
- c. All records in verbatim from the table but those records with null values.
- d. All records in verbatim from the table but those records are not with null values.

Correct Answer: b

Detailed Solution:

The `ResultSet` object includes all records stored as an array of records and irrespective of whether a record contains null value(s) or not.

QUESTION 4:

Which of the following method is used to set a frame, say `f` with size 300×200 pixels?

```
JFrame f = new JFrame();
```

- a. `f.setSize(300, 200);`
- b. `f.setSize(200, 300);`
- c. `f.paint(300, 200);`
- d. `f.setVisible(300, 200);`

Correct Answer: a



Detailed Solution:

The setSize(300,200) method is used to do the job. Other are either syntactically not valid or not appropriate.

QUESTION 5:

Which of the following control expressions are valid for an **if** statement?

- a. Any integer expression.
- b. Any Boolean expression.
- c. A String object.
- d. Any expression with mixed arithmetic.

Correct Answer: a, b

Detailed Solution:

Any expression with Boolean or integer variables are valid. The condition will evaluate to zero (false) or no-zero (true) values. Other options are not valid.

QUESTION 6:

Consider the following program:

```
public class Question
{
    public static void main(String[] args) {
        String str = "january java nptel.";
        System.out.println(str.length());
    }
}
```

What is the output of the following program?

- a. 18
- b. 15
- c. 19
- d. 17

Correct Answer: c

Detailed Solution:



QUESTION 7:

Consider the following program:

```
public class Question
{
    public static void main(String[] args) {
        String str = "january java nptel.";
        System.out.println(str.charAt(8)+str.substring(9, 12));
    }
}
```

What is the output of the following program?

- a. java
- b. ava
- c. javanptel
- d. january

Correct Answer: a

Detailed Solution:

QUESTION 8:

Which of the following statements would NOT cause a compilation error?

- a. float[] = new float(3);
- b. float f2[] = new float[];
- c. float[] f1 = new float[3];
- d. float f3[] = new float[3];
- e. float f5[]={ 1.0f, 2.0f, 2.0f };
- f. float f4[] = new float[] { 1.0f, 2.0f, 3.0f};

Correct Answer:c, d, e, f

Detailed Solution:

Option (c), (d), (e) and (f) are syntactically correct for declaration of an array.



QUESTION 9:

Consider the following piece of code in Java.

```
public class Test {  
    public static void aMethod() throws Exception {  
        try {  
            throw new Exception();  
        }  
        finally {  
            System.out.print("finally ");  
        }  
    }  
    public static void main(String args[]){  
        try {  
            aMethod();  
        }  
        catch (Exception e) {  
            System.out.print("exception ");  
        }  
        System.out.print("finished ");  
    }  
}
```

What is the result, if the above-mentioned program is executed?

- a. finally
- b. exception finished
- c. finally exception finished
- d. Compilation fails

Correct Answer:c

Detailed Solution:

The program is syntactically correct and here for two try blocks, there is one catch block.

QUESTION 10:

Which of the statements are correct about Swing programming?

- a. AWT is a heavyweight programming.
- b. Swing is heavyweight programming.
- c. Swing is lightweight programming.
- d. Both AWT and Swing are lightweight programming



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Correct Answer: c

Detailed Solution:

Swing is lightweight compared to the AWT.

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