



OBJECT ORIENTED PROGRAMMING WITH JAVA

Assignment 9

TYPE OF QUESTION: MCQ

Number of questions: 10

Total mark: $10 \times 1 = 10$

QUESTION 1:

Which layout manager places components in one of five regions: north, south, east, west, and center?

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

Correct Answer: c

Detailed Solution:

This is the layout that the BorderLayout does.

QUESTION 2:

Which of the following steps are must for any kind of event handling?

- a. Implement the listener method(s) to receive and process event related notifications
- b. Adding mouse listener in the init() method.
- c. Register the source(s) to receive notifications about specific type of event(s).
- d. Adding mouse motion listener in the main() method .

Correct Answer: a, c

Detailed Solution:

There are two basic steps so far the event handling is concerned: 1) Register all the sources of events and 2) implement the listener methods related to the event(s). The (b) and (d) are related to dealing with handling mouse event.

QUESTION 3:



Which of the following package supports event handling routine, when we use Swing components in GUI programs?

- a. Javax.swing
- b. Java.awt
- c. Java.util
- d. Java.applet

Correct Answer: b

Detailed Solution:

To support GUI programming, Java provides two packages: java.awt and javax.swing. Whatever be the GUI components, event handling classes are defined in java.awt.

QUESTION 4:

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 5:

Using a FlowLayout manager, which is the correct way to add elements to a container?

- a. add (component);
- b. add("Center", component);
- c. add(x, y, component);
- d. set(component);

Correct Answer: a

Detailed Solution:

add() - Other options are not valid in the context of FlowLayout manager.



QUESTION 6:

Which of the following class is used to create a pop-up list of items from which the user may choose?

- a. JList
- b. JComboBox
- c. JLabel
- d. JCheckBox

Correct Answer: b

Detailed Solution:

The JComboBox component creates a pop-up list.

QUESTION 7:

How many frames will be displayed according to the following program?

```
import javax.swing.*;
public class Test{
    public static void main(String[] args){
        JFrame f1 = new JFrame("My Frame");
        JFrame f2 = f1;
        JFrame f3 = f2;
        f1.setVisible(true);
        f2.setVisible(true);
        f3.setVisible(true);
    }
}
```

- a. 0
- b. 1
- c. 2
- d. 3

Correct Answer: b

Detailed Solution:

Although there are three frames declared, eventually they refer to only one frame.



QUESTION 8:

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 9:

Which of the following classes can be used to represent a checkbox with a textual label that can appear in a menu?

- a. `MenuBar`
- b. `MenuItem`
- c. `CheckboxMenuItem`
- d. `Menu`

Correct Answer: c

Detailed Solution:

The component `CheckboxMenuItem` is with a textual label that can appear in a menu.

QUESTION 10:

What is(are) the way(s) to create a Frame using Java Swing?

- a. By creating the object of `Frame` class (*association*)
- b. By extending `Frame` class (*inheritance*)
- c. By importing a package named `JFrame`
- d. By declaring a class with name `JFrame`

Correct Answer: a, b



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Detailed Solution:

We can create a frame component by creating the object of Frame class (*association*) and by extending Frame class (*inheritance*).

*****END*****