



## PROGRAMMING IN JAVA

### Assignment 9

**TYPE OF QUESTION: MCQ**

**Number of questions:** 10

**Total marks:**  $10 \times 1 = 10$

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#### **QUESTION 1:**

**Which of the following is a one-line input field that allows the user to choose a number or an object value from an ordered sequence?**

- a. JTextarea
- b. JTextField
- c. JSpinner
- d. JSlider

**Correct Answer:**

- c. JSpinner

**Detailed Solution:**

A JSpinner is a one-line input field that allows the user to choose a number or an object value from an ordered sequence.

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## **QUESTION 2:**

**What is true about the following code.**

```
import javax.swing.*;  
  
public class Nptel {  
    public static void main(String[] args) {  
        JFrame frame = new JFrame("My Frame");  
        frame.add(new JButton("OK"));  
        frame.add(new JButton("Cancel"));  
        frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);  
        frame.setSize(200, 200);  
        frame.setVisible(true);  
    }  
}
```

- a. Both "OK" and "Cancel" button is added, but only "Cancel" button is visible.
- b. Only "OK" button is added and visible, "Cancel" button is not added.
- c. Only "Cancel" button will be added and visible, "OK" button is not added.
- d. Code throws an ERROR.

**Correct Answer:**

- a. Both "OK" and "Cancel" button is added, but only "Cancel" button is visible.

**Detailed Solution:**

By default, the layout of the content pane in a JFrame is BorderLayout. Button OK is placed in the center of content pane, then button Cancel is placed in the same place. So you only can see button Cancel.



**QUESTION 3:**

Which of the following is a container for other components and is used to build bespoke panels for organizing and arranging components?

- a. JPanel
- b. JFrame
- c. JComboBox
- d. JBox

**Correct Answer:**

- a. JPanel

**Detailed Solution:**

JPanel is a container for other components and is used to build bespoke panels for organizing and arranging components.



#### **QUESTION 4:**

Which of the following component gives a drop-down list of options from which to choose?

- a. JPanel
- b. JButton
- c. JComboBox
- d. Jbox

**Correct Answer:**

- c. JComboBox

**Detailed Solution:**

JComboBox component gives a drop-down list of options from which to choose.



### **QUESTION 5:**

Which of the following Swing components inherently support the WindowListener interface?

- a. Swing frames (JFrame)
- b. Swing checkboxes (JCheckBox)
- c. None of these
- d. Swing combo boxes (JComboBox)

**Correct Answer:**

- a. Swing frames (JFrame)

**Detailed Solution:**

Swing frames (JFrame) and Swing dialogs (JDialog) Swing components inherently support the WindowListener interface.



### **QUESTION 6:**

Which class in Swing provides a graphical way to display images, icons, or custom graphics?

- a. **JImage**
- b. **JLabel**
- c. **JImageIcon**
- d. **JDialog**

**Correct Answer:**

- b. **JLabel**

**Detailed Solution:**

JLabel is used to display images, icons, or custom graphics.



### **QUESTION 7:**

**What is/are the way(s) to create a Frame in Java Swing?**

- a. By creating the object of Frame class (*association*)
- b. None of these
- c. By importing a package named JFrame
- d. By declaring a class with name JFrame

**Correct Answer:**

- a. By creating the object of Frame class (*association*)

**Detailed Solution:**

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

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### **QUESTION 8:**

Which method is used to set the graphics current color to the specified color in the graphics class?

- a. public abstract void setFont(Font font)
- b. public abstract void setColor(Color c)
- c. public abstract void drawString(String str, int x, int y)
- d. None of the above

**Correct Answer:**

- b. public abstract void setColor(Color c)

**Detailed Solution:**

The method used to set the graphics current color to the specified color in the Graphics class is:  
`public abstract void setColor(Color c).`

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### **QUESTION 9:**

**When are the keyboard events fired?**

- a. When the user manually calls the button
- b. When the user right clicks the mouse
- c. When the user calls the modifier
- d. When the user clicks a key

**Correct Answer:**

- d. When the user clicks a key

**Detailed Solution:**

The keydown and keyup are the keyboard events are fired when the user presses or releases a key on the keyboard. They are generated for modifier keys, function keys, and alphanumeric keys.



### **QUESTION 10:**

Which of the following function is used to specify the layout of a container.

- a. UseLayout()
- b. setLayout()
- c. layout()
- d. DesignLayout()

**Correct Answer:**

- b. setLayout()

**Detailed Solution:**

The setLayout() function is used to specify the layout of a container.