PROGRAMMING IN JAVA

Assignment 9

TYPE OF QUESTION: MCQ

Number of questions: 10   Total marks**: 10 × 1 = 10**

The JSpinner is a component in Java Swing that allows users to choose a number or an object value from a sequence of values

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.

QUESTION 2:

What is true about the following code.

```java
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 visble.**

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.
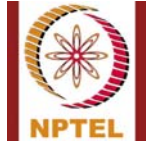
d. Code throws an ERROR.   The BorderLayout is one of the most commonly used layout managers in Java Swing, designed to arrange components in five regions: North, South, East, West, and Center.

Correct Answer:

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

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. **JCombo**

    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*).

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).

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. **UseLayeout()**

      b. **setLayout()**

      c. **layout()**

      d. **DesignLayout()**

Correct Answer:

      b. **setLayout()**

Detailed Solution:

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