



PROGRAMMING IN JAVA

Assignment 9

TYPE OF QUESTION: MCQ

Number of questions: 10

Total marks: $10 \times 1 = 10$

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.

```
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. 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.
