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vijayaprakash885@gmail.com ▾

NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » Programming In Java (course)

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## Course outline

About NPTEL  
( )

How does an  
NPTEL online  
course work?  
( )

Week 0 : ( )

Week 1 : ( )

Week 2 : ( )

Week 3 : ( )

Week 4 : ( )

Week 5 : ( )

Week 6 : ( )

Week 7 : ( )

Week 8 : ( )

# Week 09 : Assignment 09

Your last recorded submission was on 2024-03-25, 19:45 IST Due date: 2024-03-27, 23:59 IST.

- 1) What is the parent class of all AWT components? **1 point**
- ☐ a. java.awt.Panel
  - ☒ b. java.awt.Component
  - ☐ c. java.awt.Container
  - ☐ d. java.awt.Frame
- 2) Which event is generated when a user clicks a button in AWT? **1 point**
- ☒ a. MouseEvent
  - ☐ b. ActionListener
  - ☐ c. KeyEvent
  - ☐ d. WindowEvent
- 3) Which of the following architecture does the Swing framework use? **1 point**
- ☒ a. MVC
  - ☐ b. MVP
  - ☐ c. Layered architecture
  - ☐ d. Master-Slave architecture
- 4) A \_\_\_\_ is the basic class for all SWING UI components? **1 point**
- ☐ a. Container
  - ☒ b. JComponent
  - ☐ c. Component
  - ☐ d. Jbox
- 5) Which event is generated when a window is resized in AWT? **1 point**

**Week 9 : ( )**

☐ Lecture 41 :  
Demonstration-  
XV (unit?  
unit=82&lesson  
=83)

☐ Lecture 42 :  
AWT  
Programming--  
III (unit?  
unit=82&lesson  
=84)

☐ Lecture 43 :  
Swing  
Programming - I  
(unit?  
unit=82&lesson  
=85)

☐ Lecture 44 :  
Swing  
Programming -  
II (unit?  
unit=82&lesson  
=86)

☐ Lecture 45 :  
Demonstration-  
XVI (unit?  
unit=82&lesson  
=87)

☒ **Quiz: Week 09  
: Assignment  
09  
(assessment?  
name=352)**

☒ Week 9 :  
Programming  
Assignment 1  
(/noc24\_cs43/pr  
ogassignment?  
name=347)

☒ Week 9 :  
Programming  
Assignment 2  
(/noc24\_cs43/pr  
ogassignment?  
name=348)

☒ Week 9 :  
Programming  
Assignment 3  
(/noc24\_cs43/pr  
ogassignment?  
name=349)

- ☐ a. WindowEvent  
☒ b. ComponentEvent  
☐ c. ResizeEvent  
☐ d. ContainerEvent

6) Which method is used to remove a component from a container in AWT? **1 point**

- ☒ a. remove()  
☐ b. deleteComponent()  
☐ c. removeComponent()  
☐ d. destroy()

7) What is true about the following code. **1 point**

```
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.

8) Which of the following function is used to generate the application's top-level window? **1 point**

- ☐ a. JPanel  
☒ b. JFrame  
☐ c. JCombo  
☐ d. JBox

9) In Java, what is the primary purpose of a layout manager? **1 point**

- ☐ a. To manage memory allocation  
☒ b. To arrange GUI components within a container  
☐ c. To handle exception handling  
☐ d. To control database connections

10) Which layout manager divides the container into five regions: North, South, East, West, and Center? **1 point**

- ☒ a. Border Layout  
☐ b. Grid Layout  
☐ c. Flow Layout  
☐ d. Card Layout