Java Programming Weekly Answers  
Complete Compilation

Comprehensive Answer Sheet  
AWT • Swing • JDBC • Networking • Core Java

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NPTEL – Programming in Java 2025

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# Week 1 – AWT Components & Layouts

1) Which layout manager organizes components in a grid?  
Answer: (d) Grid Layout  
  
2) Which AWT component displays simple text?  
Answer: (b) Label  
  
3) Method to set title of Frame?  
Answer: (a) setTitle()  
  
4) AWT input in single line?  
Answer: (b) TextField  
  
5) Code Output – Button Frame Example:  
Answer: (c) Frame with button “Programming in Java – 2025” at (30,50)  
  
6) Layout arranging left-to-right flow?  
Answer: (b) FlowLayout  
  
7) AWT components are heavyweight because?  
Answer: (c) Dependent on OS  
  
8) Handle button/mouse events?  
Answer: (a) Event Handling  
  
9) AWT stands for?  
Answer: (d) Abstract Window Toolkit  
  
10) LayoutExample uses GridLayout(2,2)  
Answer: (a) GridLayout

# Week 2 – Swing and GUI Programming

1) Remove component in AWT?  
Answer: (a) remove()  
  
2) JFrame with OK and Cancel button output?  
Answer: (a) Both added but only Cancel visible  
  
3) SwingExample with FlowLayout adds both buttons  
Answer: (a)  
  
4) Add JButton to JFrame?  
Answer: (a) frame.add(button)  
  
5) JPanel error correction -> use setLayout(new FlowLayout())  
Answer: (d)  
  
6) JLabel not added -> frame has no label visible  
Answer: (b)  
  
7) JFrame with JButton “Programming in Java”  
Answer: (a)  
  
8) ActionListener shows dialog “Welcome to the course”  
Answer: (b)  
  
9) FlowLayout adjusts components in row  
Answer: (a)  
  
10) Layout manager purpose?  
Answer: (b) Arrange GUI components

# Week 3 – JDBC and Database Connectivity

1) Full form of JDBC?  
Answer: (a) Java Database Connectivity  
  
2) Connection code -> DriverManager.getConnection()  
Answer: (b)  
  
3) executeQuery instead of execute  
Answer: (a)  
  
4) Products output = Laptop, Phone, Tablet  
Answer: (c)  
  
5) InsertUser -> conn.prepareStatement(query)  
Answer: (b)  
  
6) executeUpdate supports INSERT, UPDATE, DELETE  
Answer: (a)  
  
7) DriverManager manages DB connections  
Answer: (a)  
  
8) Connect via DriverManager.getConnection()  
Answer: (b)  
  
9) executeQuery() returns ResultSet  
Answer: (a)  
  
10) Package for JDBC = java.sql  
Answer: (a)

# Week 4 – Networking & Core Java Concepts

1) SELECT \* FROM myTable -> returns ResultSet with all records  
Answer: (c)  
  
2) BoxLayout suits column layout with spacing  
Answer: (d)  
  
3) String length "NPTEL - Programming in JAVA - JULY 2024"  
Answer: (c) 40  
  
4) finally exception finished  
Answer: (c)  
  
5) Password for ‘nptel’ is ‘java’  
Answer: (d)  
  
6) Button click → “Welcome to course” dialog  
Answer: (b)  
  
7) Class for server socket?  
Answer: (b) ServerSocket  
  
8) Frame with 2 Labels, 2 TextFields  
Answer: (a)  
  
9) String comparison: “true false”  
Answer: (a)  
  
10) Checkbox multiple, Radio single selection  
Answer: (b)