

Unit -2: User Interface Components with Swing

Assignments:

1. What is a LayoutManager and explain the different types of LayoutManager with an example. (No Layout (Default Layout), Flow Layout, Border Layout, Grid Layout, Grid Bag Layout and Group Layout)
2. Explain Top-level containers, Intermediate containers and Atomic components of Java Swing library.
3. Why do we need top level container like JFrame to write java programs with GUI? How can we display two dimensional objects in Java?
4. What are the benefits of using swing components? Explain.
5. What is the task of Layout manager? Describe about default layout manager.
6. Compare AWT and Swing and explain six basic Swing components.
7. Why do we need swing components? Explain the uses of check boxes and radio buttons in GUI programming.
8. Define Applet. Explain Applet lifecycle and its methods.
9. Write a simple Java applet code and explain all the steps required to execute it successfully.
10. Design and develop the below registration form.

Registration Form

Name

Mobile

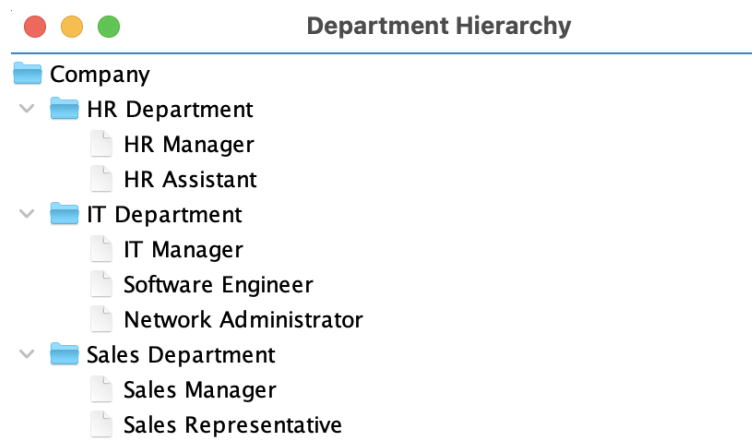
Gender ☒ Male ☐ Female

DOB

Address

☐ Accept Terms And Conditions.

11. Create a complete department hierarchy as shown below using swing component.



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