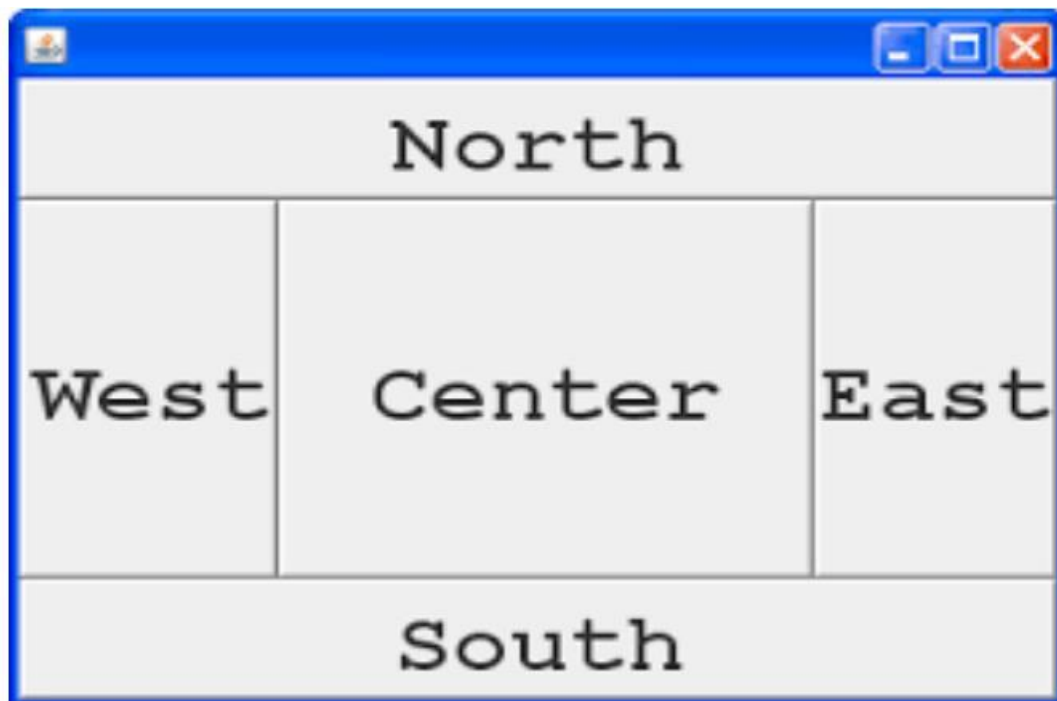


1. Design an applet/application to create form using Text Field, Text Area, Button, Checkbox, and Label.
2. Develop an applet/ application using List components to add names of 10 different cities and select multiple names of cities and at least 3 cities must be visible.
3. Write a program to design simple calculator with the use of Grid Layout.
4. Write a program to generate following output using Border Layout

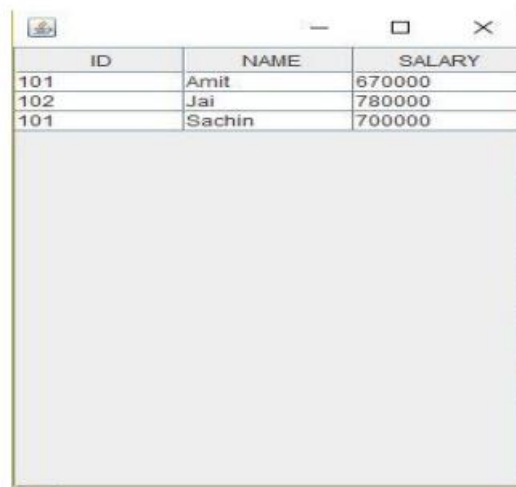


5. Develop an applet with a Card Layout demonstrating use of next, previous, first, last methods to navigate through different panels.
6. Write a program which creates Menu of different colors and disable menu item for Black color.
7. Develop a program to demonstrate use of JTabbedPane.
8. Write a program to develop a frame to select the different states of India using JComboBox

9. Write a program code to generate the following output



10. Write a program code to generate the following output



ID	NAME	SALARY
101	Amit	670000
102	Jai	780000
101	Sachin	700000

11. Develop a program to demonstrate the use of JProgressBar.

12. Write a program to demonstrate status of key on Applet window such as KeyPressed, KeyReleased, KeyUp, KeyDown.

13. Develop a program to accept two numbers and display product of two numbers when user pressed “Multiply” button.

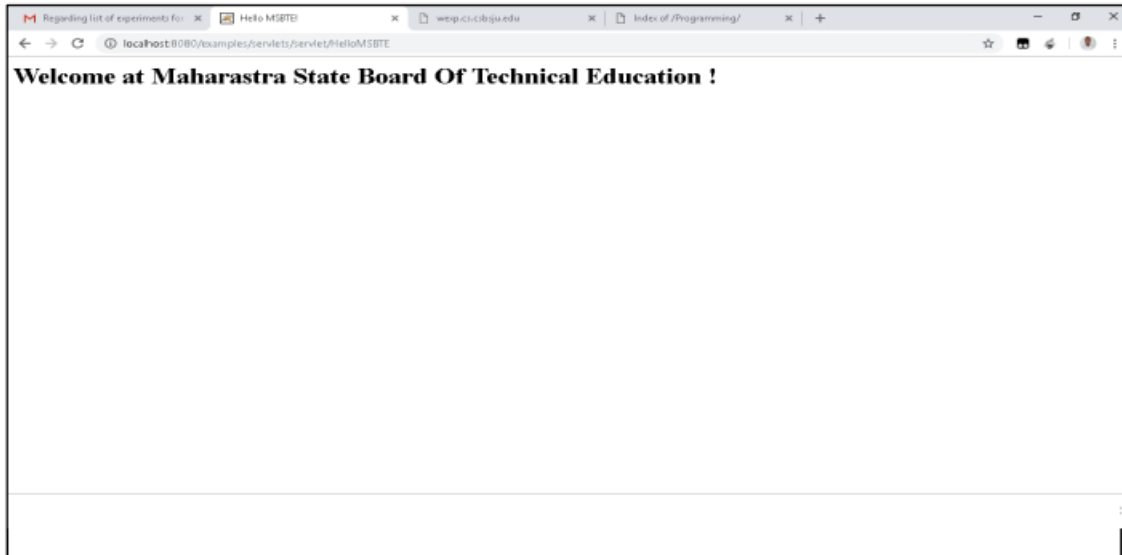
14. Write a program to demonstrate the use of mouseDragged and mouseMoved method of MouseMotionListener

15. Write a program to demonstrate various mouse events using MouseListener interface.

- 16. Write a program using JPasswordField to set the password character as '#' instead of '*'.**
- 17. Write a program using JPasswordField to accept password from user and if the length is less than 6 characters then error message should be displayed "Password length must be >6 characters"**
- 18. Write a program using MouseMotionAdapter class to implement only one method mouseDragged().**
- 19. Write a program to demonstrate the use of InetAddress class and its factory methods.**
- 20. Write a program using URL class to retrieve the host, protocol, port and file of URL <http://www.msbte.org.in>**
- 21. Write a program to check credentials of users (Client will send user id and password to server and server will authenticate the client using equals()). (Using ServerSocket and Socket class)**
- 22. Develop a program to create employee table in database having two columns "emp_id" and "emp_name".**
- 23. Write a program to demonstrate the use of PreparedStatement and ResultSet interface.**
- 24. Develop a program to update name of a student from Jack to John.**
- 25. Write a HttpServlet Program to send the username to server and server will send the length of username to client.**
- 26. Write a Program to Session id and Session time in Browser Window.**

27. Write a Servlet program to implement session tracking using Cookies.

28. Write a Program to display following output in browser Window (make use of GenericServlet)



29. Write a program to insert and retrieve data from database using JDBC.

30. Design an applet/application to demonstrate the use of Radio Button and Checkbox. (Using Swing Components).