1. Design a GUI form using swing with a text field, a text label for displaying the input message “Input any String”, and three buttons with caption “Check Palindrome”, “Reverse”, ”Find Vowels”. Write a complete program for above scenario and for checking palindrome in first button, reverse it after clicking second button and extract the vowels from it after clicking third button.
2. Write a program to a JSP web form to take input of a student and submit it to second JSP file which may simply print the values of form submission.
3. An array is called balanced if it's even numbered elements (a[0], a[2], etc.) are even and its odd numbered elements (a[1], a[3],etc.) are Odd. Write a function named isBalanced that accepts an array of integers and returns 1 if the array is balanced otherwise it returns 0.
4. Write client and server programs in which a server program accepts a radius of a circle from the client program. Computes area, sends the computed area to the client program, and displays it by client program.
5. Write a java program using servlet to display “Tribhuvan University”.
6. Write a JSP to print “Texas College” 10 times.
7. Write a Java FX GUI program that calculates simple interest for provided Principle, Number of years and annual interest rate.
8. Write a java servlet to show usage of cookie and session. Show how it is done in JSP.
9. Show usage of various layout manager using swing and java FX.
10. Write a java program to handle key events and mouse events.
11. Write a java program to show RMI.