

Termwork

1. Write a program to show the use of **"this"** and **"super"** keyword in a single program.

2. Write a program to convert 2-D array into 1-D array and print it in ascending order.

```
int a[][]={{3,4,5},{6},{1,9}};
```

3. Initialize a string as **"abcababbbccc"**. Find the count of number of Palindrome substrings in it of length ≥ 2 .

4. Write a program to enter some values into vector of different types and process them as-

(i) Print real values after (.)

(ii) Print sum of all digits of numeric integer values.

(iii) Print all string in reverse order.

5. Write a program to pass two command line argument and print **yes** if first command line argument's reverse is equal to second command line argument.

6. Write a program to create a function with following implementation.

```
String show(String s1,String s2, int key, int index)
```

```
{//code}
```

1. If one string is lower than second as telephone directory then last character of lesser string and first character of longest string and index digit from left in key and index digit from right in key should be concatenated as:

Eg: show("abc","ram",12345,2) O/P : cR24

2. If both strings are identical then the returned value will be reverse of any of the two first string and deleted index of key value.

Eg: show("abc","abc",12345,2)

7. Write a program to show the use of "**throws**" keyword in order to throw more than one exception.
8. Write a program to write your name into a file if it is having more than 500 characters and if it is having less than 500 characters you have to write exact 500 characters by reading from initial file and then write your name.
9. Write a program to show the use of runnable, sleep, synchronise, and anonymous class in a single program.
10. Write a program to draw a circle inside and outside a square using applet.
11. Write a program to draw a line on clicking on two consecutive clicks of the mouse, from the coordinate of first click to the coordinate of second click position.
12. Write a program to create a form using applet with validations as:
 - Name should not contain any numbers.
 - Date should be in the format dd/mm/yy.
 - Atmost 3 subjects can be selected.
13. Write a program to find the difference between 2 dates and show the difference as number of days between the inputted dates.
14. Write a program to show the interaction between client and server using socket as:
 - If the client sends some string then the server should respond as given below:
 - Eg: lbz (client) -> mca(server)
15. Write a program to read from a URL.