**TITLE 28**

Write a C program to compare two strings using pointers

**OBJECTIVE:**

By the end of this program we will be able to use strings and pointers together for writing programs in C.

**PROBLEM STATEMENT:**

In this program we use pointers to compare two strings. Input from user:

Enter the first string:

Enter the second string:

Once the input is collected and stored, the output is displayed.

**ALGORITHM:**

START

Define variables: string1, string2, \*str1, \*str2, I, equal

INPUT: Read from the keyboard

COMPUTATION: Comparing two strings using pointers

DISPLAY: Displaying the comparision of two strings

STOP

**PROGRAM:**

#include<stdio.h>

int main()

{

    char string1[50],string2[50],\*str1,\*str2;

    int i,equal = 0;

    printf("Enter The first String: ");

    scanf("%s",string1);

    printf("Enter The second String: ");

    scanf("%s",string2);

    str1 = string1;

    str2 = string2;

    while(\*str1 == \*str2)

    {

        if ( \*str1 == '\0' || \*str2 == '\0' )

            break;

        str1++;

        str2++;

    }

    if( \*str1 == '\0' && \*str2 == '\0' )

        printf("\n\nBoth strings Are Equal.");

    else

        printf("\n\nBoth strings Are Not Equal.");

}

**CONCLUSION:**

The simulation of the above C program helped me understand the usage of strings and pointers together which will help me write other programs in C.

**OUTPUT:**

Enter the first string: program

Enter the second string: program

Both strings are Equal.