TITLE 28

Write a C program to compare two strings using pointers

OBJECTIVE:

Implementation of the pointers and strings

PROBLEM STATEMENT:

In this problem we use pointers to copy one string to another.

ALGORITHM:

START

INPUT: Read from the user

COMPUTATION: Comparing two strings using pointers

DISPLAY: Displaying the 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:

This problem helps us to use pointer applications in the string based concept.

OUTPUT:

Enter the first string: hello

Enter the second string: world

Both strings are not equal.