**TITLE 27**

Write a C program to copy one string to another using pointers

**OBJECTIVE:**

By the end of this program I will be able to handle programs involving strings and pointers.

**PROBLEM STATEMENT:**

In this problem we use pointers to copy one string to another. Input from the user:

Enter any string:

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

**ALGORITHM:**

START

Define variables: t1, t2

INPUT: Read from the keyboard

COMPUTATION: Copying one string to another using pointers

DISPLAY: Displaying the output of one string copied to another

STOP

**PROGRAM:**

#include <stdio.h>

#define MAX\_SIZE 100

int main()

{

char t1[MAX\_SIZE], t2[MAX\_SIZE];

char \* str1 = t1;

char \* str2 = t2;

printf("Enter any string: ");

gets(t1);

while(\*(str2++) = \*(str1++));

printf("First string = %s\n", t1);

printf("Second string = %s\n", t2);

return 0;

}

**CONCLUSION:**

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

**OUTPUT:**

Enter any string: DATA STRUCTURES

First string: DATA STRUCTURES

Second string: DATA STRUCTURES