Task :

Write a C program that contains a function called reverseString which takes a string as input and reverses it. The program should also include a main function that prompts the user to enter a string, calls the reverseString function to reverse the string, and then displays the reversed string.

Answer :

#include <stdio.h>

void reverseString(char\* str) {

int i, j;

char temp;

for (i = 0, j = strlen(str) - 1; i < j; i++, j--) {

temp = str[i];

str[i] = str[j];

str[j] = temp;

}

}

int main() {

char str[100];

printf("Enter a string: ");

fgets(str, sizeof(str), stdin);

str[strcspn(str, "\n")] = '\0';

reverseString(str);

printf("Reversed string: %s\n", str);

return 0;

}