Q12. Write a Program to reverse the letters present in the given String. Do not use strrev() function.

#include <stdio.h>

#include <string.h>

// Function to reverse the string

void reverseString(char str[]) {

int n = strlen(str); // Get the length of the string

int start = 0;

int end = n - 1;

char temp;

// Swap characters from the start and end of the string

while (start < end) {

// Swap the characters

temp = str[start];

str[start] = str[end];

str[end] = temp;

// Move the pointers towards the center

start++;

end--;

}

}

int main() {

char str[100];

// Input the string

printf("Enter a string: ");

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

// Remove newline character if present (due to fgets)

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

// Reverse the string

reverseString(str);

// Output the reversed string

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

return 0;

}