#include <stdio.h>

#include <string.h>

void reverse(char [], int, int);

int main()

{

char str1[20];

int size;

printf("Enter a string to reverse: ");

scanf("%s", str1);

size = strlen(str1);

reverse(str1, 0, size - 1);

printf("The string after reversing is: %s\n", str1);

return 0;

}

void reverse(char str1[], int index, int size)

{

char temp;

temp = str1[index];

str1[index] = str1[size - index];

str1[size - index] = temp;

if (index == size / 2)

{

return;

}

reverse(str1, index + 1, size);

}