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Code, Compile & Run

Ide x +

Context Code/Name (e.g. JULY15/PRACTICE)

Problem Code/Name (e.g. TEST)

Select

C (gcc 6.2)



Code gets auto-saved every second



```

1 #include <stdio.h>
2 #include <string.h>
3 int main()
4 {
5     char str[25], a[25]={'\0'};
6     int i, len=0, flag=0;
7     printf("enter the string:\n");
8     gets(str);
9     puts(str);
10    for(i=0; str[i]!='\0'; i++)
11    {
12        len++;
13    }
14    for(i=len-1; i>=0; i--)
15    {
16        a[len-i-1]=str[i];
17    }
18    for(flag=1, i=0; i<len; i++)
19    {
20        if(a[i]!=str[i])
21            flag=0;
22    }
23    if(flag==1)
24        printf("%s is a palindome\n", str);
25    else
26        printf("%s is not a palindrome\n", str);
27 }

```

19:24



Open File

✓ Custom Input

Run

Custom Input

MALAYALAM

Status: Successfully executed Date: 2020-06-26 07:25:56 Time: 0 sec Mem: 9.424 kB



Input

MALAYALAM

Output

```

enter the string:
MALAYALAM
MALAYALAM is a palindome

```

Write a C program to find whether the string is palindrome or not without using builtin function

Algorithm:

Step 1: Start

Step 2: Input str

Step 3: Repeat for ($i=0$; $str[i] \neq '\0'$; $i++$)
len++

Step 4: Repeat for ($i=len-1$; $i \geq 0$; $i--$)
a[$len-i-1$] = str[i]

Step 5: Repeat for ($i=0$; $i < len$; $i++$)
if (a[i] != str[i])
flag = 0

Step 6: if (flag == 1)
Display "%s is a palindrome"
output str

else

Display "%s is not a palindrome"
output str

Step 7: Stop

Flowchart

