

Algorithm

1. start

2. Input string.

3. Initialize $k = \text{strlen}(\text{str1})$

4. Repeat through 4.1

4.1 for ($i = 0; i < k; i++$)

$\text{str2}[i] = \text{str1}[k-i-1]$

5 Print str 2

6 $x = \text{strcmp}(\text{str1}, \text{str2})$

7 if ($x == 0$)

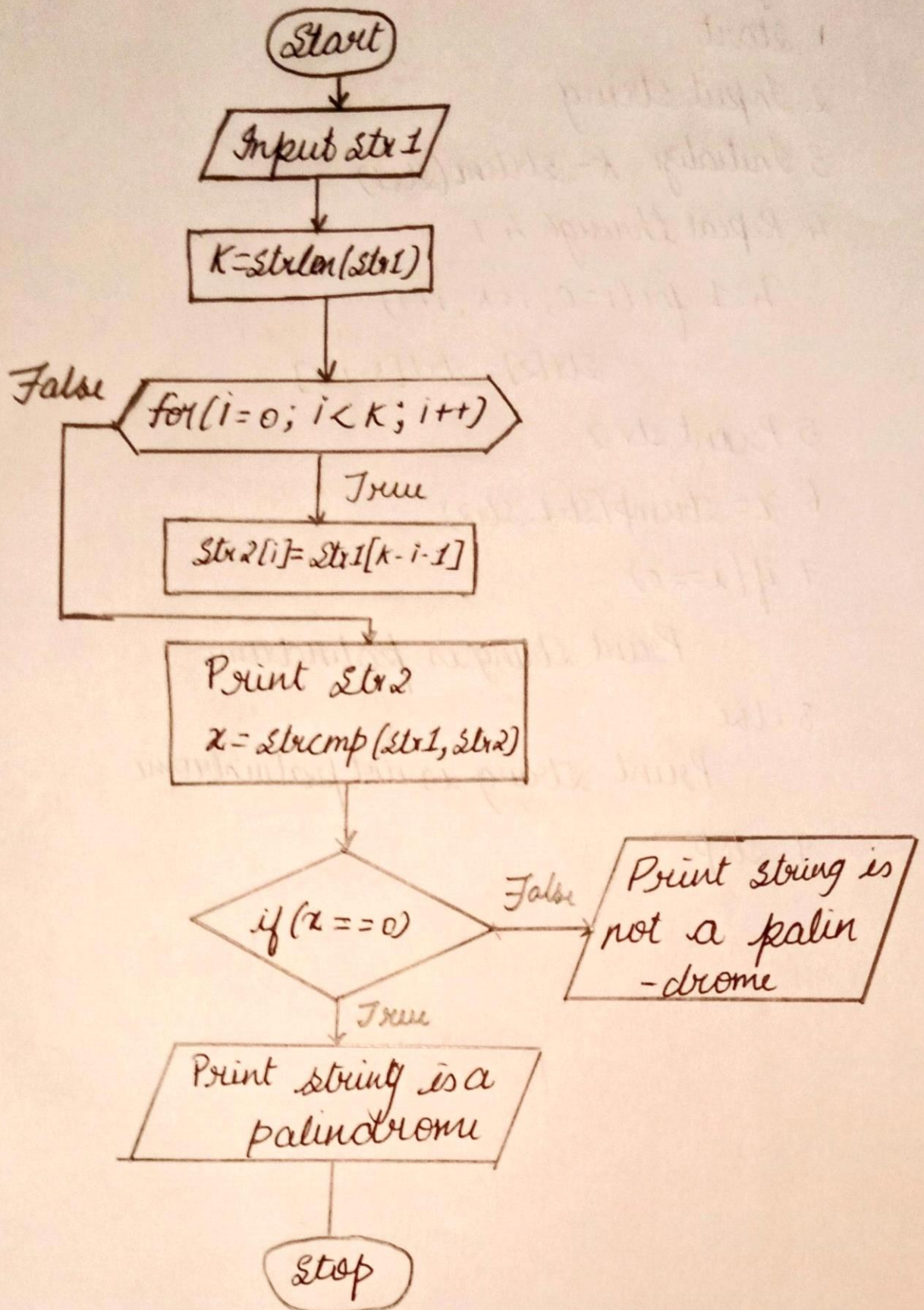
Print String is palindrome

8 else

Print String is not palindrome

9. Stop.

Flowchart



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

Problem Code/Name (e.g. TEST)

C (gcc 6.3)



Code gets autosaved every second



```
1 #include<stdio.h>
2 #include<string.h>
3 int main()
4 {
5     char str1[20],str2[20];
6     int i,k,x;
7     printf("Enter string\n");
8     scanf("%s", str1);
9     k=strlen(str1);
10    for(i=0;i<k;i++)
11    {
12        str2[i]=str1[k-i-1];
13    }
14    printf("Reversed string str2 is %s\n", str2);
15    x=strcmp(str1,str2);
16    if(x==0)
17    {
18        printf("String is a palindrome\n");
19    }
20    else
21    {
22        printf("String is not a palindrome\n");
23    }
```

0:0

Open File

✓ Custom Input

Custom Input

kartik

Status Successfully executed Date 2020-06-23 11:32:30 Time 0 sec Mem 9.424 kB

Input

kartik

Output

Enter string
Reversed string str2 is kitrak
String is not a palindrome