🔒 *www.codechef.com/ide/?itm.*   📖   ↻   ☆   ☰

Code, Compile & Run

Ide   ✖   +

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

Select

C (gcc 6.3) ▾   💾   🗑   *Code gets autosaved every second*   ❶   ⬇   ↙   ⚙

```c
1   #include<stdio.h>
2   int checkPalindrome();
3   int main()
4 - {
5       int num;
6       printf("enter the number:");
7       scanf("%d",&num);
8       printf("%d\n",num);
9       checkPalindrome();
10      if(checkPalindrome(num)==0)
11      printf("%d is a palindrome number.\n",num);
12      else
13      printf("%d is not a palindrome number.\n",num);
14      return 0;
15  }
16  int checkPalindrome(int num)
17 - {
18      int temp,rem,sum=0;
19      temp=num;
20      while(num!=10)
21 -    {
22          rem=num%10;
23          sum=sum*10+rem;
24          num/=10;
25      }
26      if(sum==temp)
27 -    {
28          return 0;
70      }
```

4:13   ⟳

Open File   ✓ Custom Input   **Run**

Custom Input

9449

Status Time limit exceeded   **Date** 2020-01-01 09:34:09   **Time** 5 sec   **Mem** 9.424 kB   ✖

Input

9449

Runtime Error

SIGTSTP

C program to check whether a number is palindrome or not using functions

Algorithm:

Step1: Start

Step2: Input num

Step3: Check palindrome ()

Step 4: if (check palindrome (num)==0)
display %d is a palindrome
else
display %d is not a palindrome.

Step5: Stop.

check palindrome (int num)

Step 1: Entry

Step 2: sum=0

Step 3: temp = num

Step 4: while (num!=0)
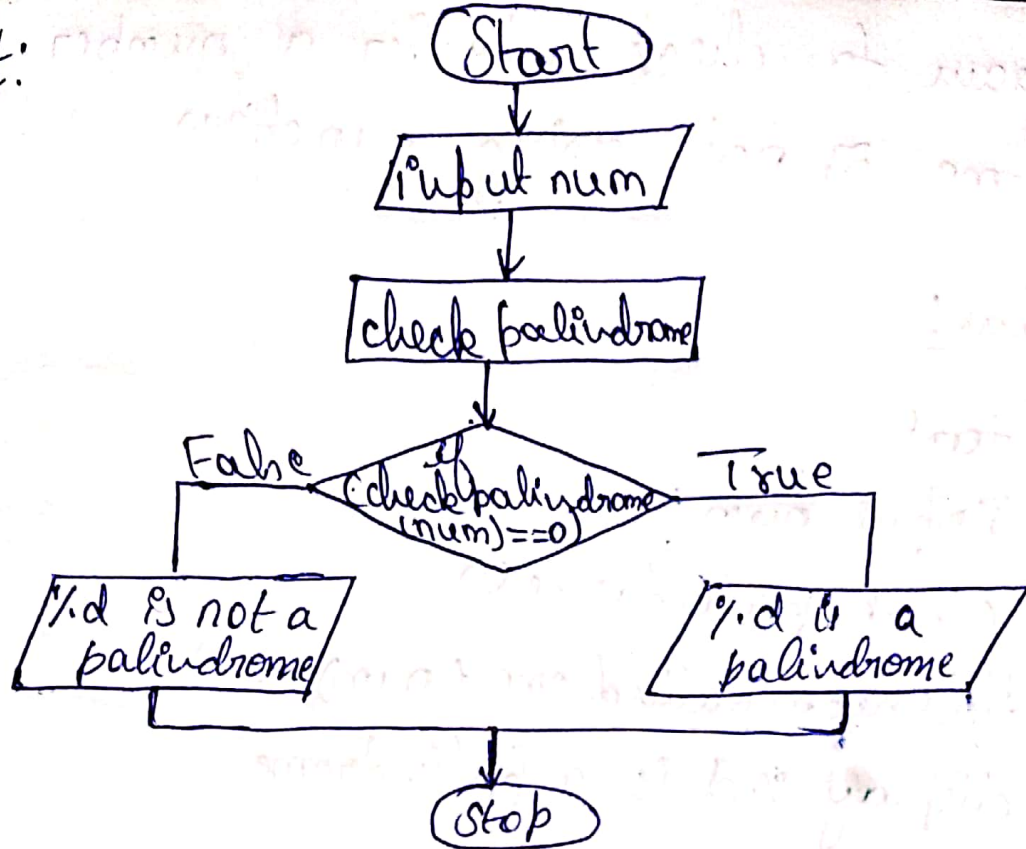rem=num %10
sum= sum×10 + rem
num |= 10
Step5: if (sum==temp)
return 0
else
return 1

Step 6: End.

Flowchart:

Start
↓
Input num
↓
check palindrome
↓
check palindrome (num)==0

False ← → True

%d is not a palindrome   %d is a palindrome

Stop

check palindrome (int num)

Entry
↓
sum = 0
↓
temp = num
↓
while (num != 0)
↓
rem = num % 10
sum = sum*10+rem
num /= 10
↓
if (sum == temp)

False ← → true

return 0   return 1

End