Code, Compile & Run

Ide   ✕   +

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

C++14 (gcc 6.3)   ▼   💾   🗑   Code gets autosaved every second

```c
1   #include <stdio.h>
2   int main()
3 ▾ {
4       int n, reversedN = 0, remainder, originalN;
5       printf("Enter an integer: ");
6       scanf("%d", &n);
7       originalN = n;
8       while (n != 0)
9 ▾     {
10          remainder = n % 10;
11          reversedN = reversedN * 10 + remainder;
12          n /= 10;
13      }
14      if (originalN == reversedN)
15          printf("%d is a palindrome.", originalN);
16      else
17          printf("%d is not a palindrome.", originalN);
18  return 0;
19  }
```

12:1   ⟳

Open File   ✓ Custom Input   Run

Custom Input
2001

Status Successfully executed   Date 2020-06-29 04:04:29   Time 0 sec   Mem 15 232 kB   ✕

Input
2001

Output
Enter an integer: 2001 is not a palindrome.

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Algorithm :

step 1 : start

step 2 : Find length of str. let length be n

step 3 : Initialize low and high indexes as 0 & n-1 respectively

step 4 : Do following while low index 'l' is smaller than high index 'h'

step 4.1 : If str [l] is not same as str [h], then return false

step 4.2 : Increment l and decrement h i.e, do l++ and h--.

step 5 : If we reach here, it means we didn't find a mis

step 6 : stop

Flowchart :


```
          ( start )
              |
              v
        / Input number /
              |
              v
        [ Reverse Number ]
              |
              v
            / If ( Input
           Number == Reverse
              Number )  \-----> [ False ]
              |                      |
           [ True ]                  |
              |                      v
              v            [ Print Number is
     [ Print Number is       not Palindrome ]
        Palindrome ]              |
              |                   |
              v                   |
           ( stop ) <------------
```