Code, Compile &...
codechef.com

✕ 🔒   ⚲ ⚙ ⋮

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   ⓘ ⬇ ⬈ ⚙

```
 1  #include<stdio.h>
 2
 3  int string_length(char*);
 4  void reverse(char*);
 5
 6  main()
 7  {
 8      char string[100];
 9
10      printf("Enter a string\n");
11      gets(string);
12
13      reverse(string);
14
15      printf("Reverse of entered string is \"%s\".\n", string);
16
17      return 0;
18  }
19
20  void reverse(char *string)
21  {
22      int length, c;
23      char *begin, *end, temp;
24
25      length = string_length(string);
26
27      begin = string;
28      end = string;
29
```

51:1   ↻

Open File   ✓ Custom Input   Run

Custom Input
```
pushpitha
```

Status Successfully executed Date 2020-07-20 09:37:30 Time 0 sec Mem 9.424 kB   ✕

Input
```
pushpitha
```

Output
```
Enter a string
Reverse of entered string is " ahtiphsup".
```

✕ 🔒 **Code, Compile &...** 🔖 ◁ ⋮
codechef.com

😊 Hello **pushpitha2001** ▾ ▤ 8⁺ ◯ f   Logout

CODECHEF

▸ PRACTICE & LEARN   ▸ COMPETE   ▸ DISCUSS | ▸ OUR INITIATIVES   ▸ ASSOCIATE WITH US
▸ MORE

Home ▸ IDE

Code, Compile & Run

Ide   ✖   +

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

C (gcc 6.3) ▾   🖫 🗑   Code gets auto saved every second   ⓘ ⬆ ⤢ ⚙

```
26
27    begin = string;
28    end = string;
29
30    for ( c = 0 ; c < ( length - 1 ) ; c++ )
31      end++;
32
33    for ( c = 0 ; c < length/2 ; c++ )
34    {
35      temp = *end;
36      *end = *begin;
37      *begin = temp;
38
39      begin++;
40      end--;
41    }
42  }
43
44  int string_length(char *pointer)
45  {
46    int c = 0;
47
48    while( *(pointer+c) != '\0' )
49      c++;
50
51    return c;
52  }
53
54
```
51:1   ⟳

Open File   ✓ Custom Input   **Run**

Custom Input
pushpitha

Status Successfully executed   Date 2020-07-20 09:37:30   Time 0 sec   Mem 9.424 kB   ✖

Input
pushpitha

Output
Enter a string
Reverse of entered string is " ahtiphsup".

Algorithm

Step1 :- Start

Step2 :- Declare all the variables (integer and character type).

Step3 :- Enter the string to be reversed.

Step4 :- Find out the length of string

Step5 :- Swap the position of array element using loop.

Step6 :- Store the swapped position

Step7 :- Print the reversed string as console output

Step8 :- Stop.

Flowchart

Start

Read the number in n

Set rev = 0

False

if n > 0

True

$rev = (rev * 10) + (n \% 10)$

n = n / 10

Loop

print the reverse number stored in rev.

Stop