Code, Compile & Run

file ■ +

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

C (gcc 6.3) ▾ | code gets auto saved every second | ⓘ ⬆ ⤢ ⚙

```c
#include<stdio.h>
int compare_string(char*, char*);
main()
{
    char first[100], second[100], result;
    printf("Enter first string\n");
    gets(first);
printf("Enter second string\n");
    gets(second);
    result = compare_string(first, second);
    if ( result == 0 )
        printf("Both strings are same \n");
    else
        printf("Entered strings are not equal \n");
    return 0;
}
int compare_string(char *first, char *second)
{
    while(*first==*second)
    {
        if ( *first == '\0' || *second == '\0' )
            break;
    first++;
        second++;
    }
    if( *first == '\0' && *second == '\0' )
        return 0;
    else
        return -1;
}
```

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Open File   ✓ Custom Input **Run**

Custom Input

appu
preethu

Status Successfully executed   **Date** 2020-07-16 06:04:44   **Time** 0 sec   **Mem** 9 424 kB   ✕

Input

appu
preethu

Output

Enter first string
Enter second string
Entered strings are not equal.

Algorithm :

step1 : start

Step 2 : create a character array with necessary size

step 3 : Read the string

step 4 : copy the string into another character array

Step 5 : Get reverse string of input by using strev function

step 6 : Compute the above results with copied string

step 7 : If two strings are same print "Palindrome"
else print "Not palindrome"

Step 8 : stop

Flowchart :

```
                    ┌─────────┐
                    │  Start  │
                    └────┬────┘
                         │
                         ▼
                  ╱───────────────╲
                 ╱ Enter strings s1 & s2╲
                 ╲───────────────────────╱
                         │
                         ▼
              ┌──────────────────────────┐
              │ Read s1 & s2, j=0, Mag=0  │
              └─────────────┬────────────┘
                            │
                            ▼
                     ◇─────────────◇
          ┌─────────◇ a1[i] != '\0' && a2[i]  ◇
          │          ◇      != '\0'      ◇
          │                 ◇─────◇
          │                    │
          │                    ▼
          │             ◇─────────────◇
          │    ┌────────◇ a1[i] != a2[i] ◇────────┐
          │    │        ◇───────────────◇         │
          │    │              │                    │
          │    │              ▼                    │
          │    │        ┌──────────┐               │
          │    └───────▶│  Mag = 1 │               │
          │             └────┬─────┘               │
          │                  │                     │
          │                  ▼                     │
          │             ┌──────────┐               │
          └────────────▶│   i ++   │◀──────────────┘
                        └────┬─────┘
                             │
                             ▼
                      ◇──────────────◇
             ┌───────◇  Mag == 0 &&   ◇───────┐
           T │       ◇  a1[i] == '\0' && ◇     │ F
             │       ◇  a2[i] == '\0'  ◇       │
             │        ◇──────────────◇         │
             ▼                                 ▼
     ┌────────────────┐              ┌────────────────┐
     │ Both the strings│              │ Both the strings│
     │   are same      │              │  are different  │
     └────────┬───────┘              └────────┬───────┘
              │                               │
              │         ┌─────────┐           │
              └────────▶│  Stop   │◀──────────┘
                        └─────────┘
```