Program to implement string compare using pointers.

Algorithm

Step 1 : Start

Step 2 : Read first string

Step 3 : Read second string

Step 4 : result = compare_string (first, second)

Step 5 : if (result == 0)

      display "Both strings are same."

      else

      display "Entered strings are not equal."

Step 6 : Stop

int compare_string (char* first, char* second)

Step 1 : Entry

Step 2 : while (*first == *second)

      if (*first == '\0' || *second == '\0')

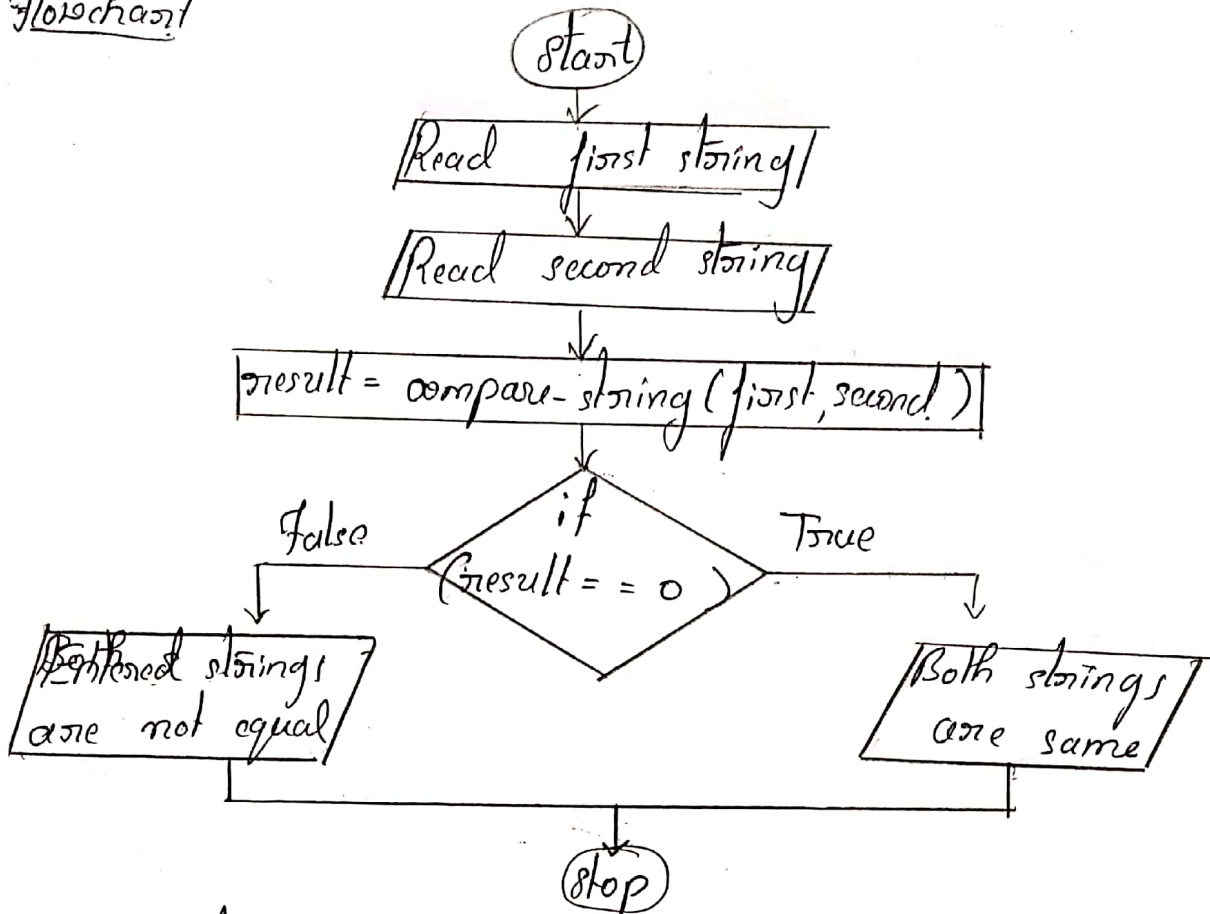   break

    first ++ ;

    second++ ;

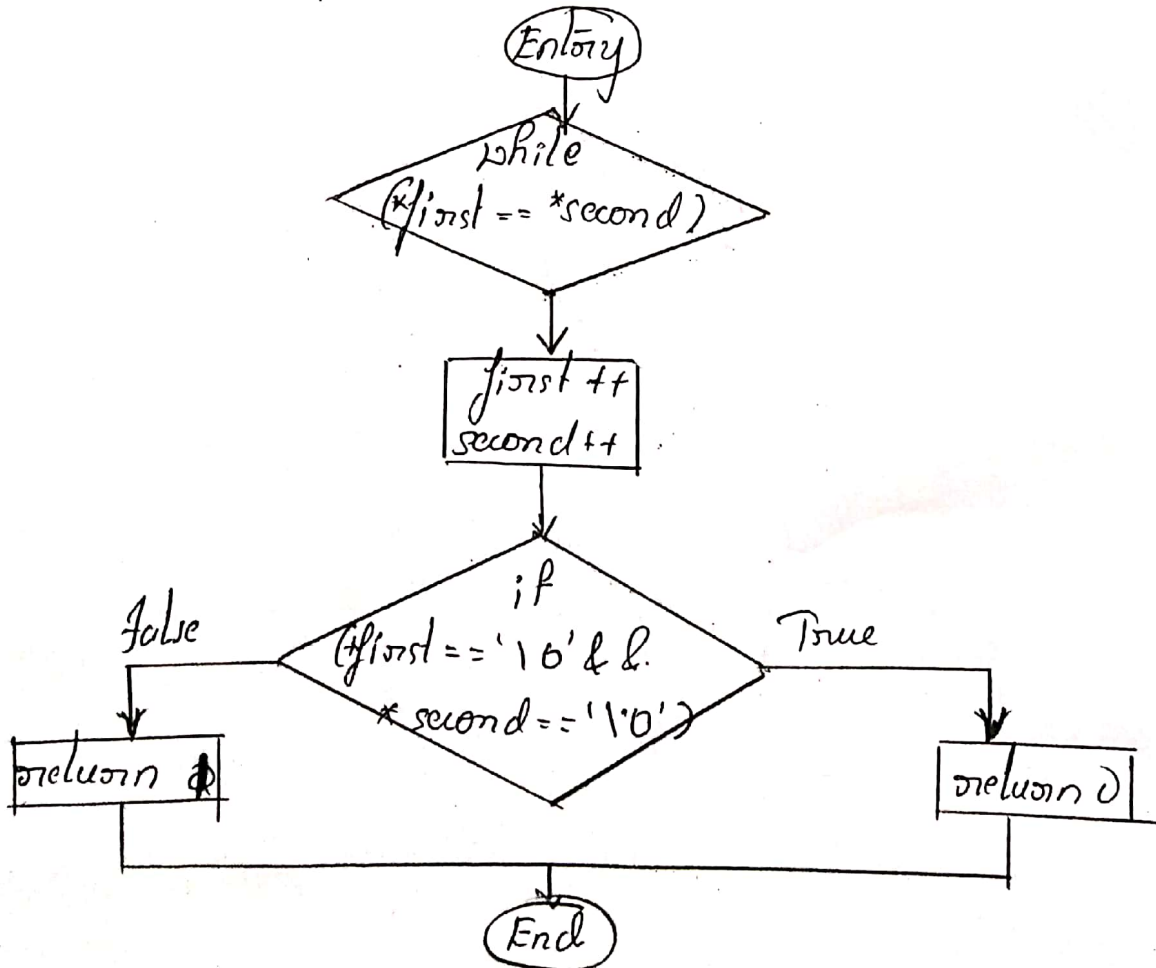Step 3 : if (*first == '\0' && *second == '\0')

      return 0

    else

      return 1

Step 4 : End

Flowchart

Start

Read first string

Read second string

result = compare-string (first, second)

if
(result == 0)

False → | Entered strings are not equal |

True → | Both strings are same |

Stop

Compare string (first, second)

Entry

while
(*first == *second)

first ++
second ++

if
(*first == '\0' &&
*second == '\0')

False → | return 1 |

True → | return 0 |

End

⌂   🔒 codechef.com/ide   :D   ⋮

Code, Compile & Run

Ide   ✕   +

| ganavi| | Problem Code/Name (e.g. TEST) | **Select** |

PRACTICE - Practice Section

C (gcc 6.3)   ▾   💾   🗑   Code gets autosaved every second   ⓘ   ⬇   ⤢   ⚙

```c
 1  #include<stdio.h>
 2
 3  int compare_string(char*, char*);
 4
 5  main()
 6  {
 7      char first[100], second[100], result;
 8
 9      printf("Enter first string\n");
10      gets(first);
11
12      printf("Enter second string\n");
13      gets(second);
14
15      result = compare_string(first, second);
16
17      if ( result == 0 )
18          printf("Both strings are same.\n");
19      else
20          printf("Entered strings are not equal.\n");
21
22      return 0;
23  }
24
25  int compare_string(char *first, char *second)
26  {
27      while(*first==*second)
28      {
```

38:1   ↻

Open File   ✓ Custom Input   **Run**

Custom Input

```
name
name
|
```

Status Successfully executed   Date 2020-07-16 09:27:52   Time 0 sec   Mem 9.424 kB   ✕

Input
```
name
name
```

Output
```
Enter first string
Enter second string
Both strings are same.
```