CODECHEF
An Educational Initiative

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Home ▸ IDE

Code, Compile & Run

Ide ✕

Contest Code/Name (e.g. JUNE15/PRACTICE)   Problem Code/Name (e.g. TEST)

Select

C (gcc 6.3)   Code gets autosaved every second

```c
1  #include <stdio.h>
2  #include<string.h>
3  int main()
4  {
5      char str[80];
6      int i=0,len,j;
7      printf("enter the string:\n");
8      gets(str);
9      puts(str);
10     len=strlen(str);
11     for(i=0;i<len;i++)
12     {
13         if(str[i]==' ')
14         {
15             for(j=i;j<len;j++)
16             {
17                 str[j]=str[j+1];
18             }
19             len--;
20         }
21     }
22     printf("string after removing spaces=%s",str);
23     return 0;
24 }
```

0:0

Open File   ✓ Custom Input   Run

Custom Input

```
string compare
```

Status Successfully executed   Date 2020-06-25 04:02:5T   Time 0 sec   Mem 9.424 kB   ✕

Input
```
string compare
```

Output
```
enter the string:
string compare
string after removing spaces=stringcompare
```

C program to sort string in alphabetical order.

Algorithm:
1. Start
2. Input to sort string in alphabetical order.
3. temp, i, j
4. n = Strlen (string)
5. for(i=0; i<n-1; i++)
   {
      for(j= i+1; j<n; j++)
      {
         if(string[i]>string[j])
      }
   }
6. temp = string [i]
   string[i] = string [j]
   string [j] = temp
7. Output the sorted string
8. Stop.

Flowchart:

```
            ( start )
               |
               v
   / Input to sort string in
    alphabetical order /
               |
               v
        | temp, i, j |
               |
               v
     | n = Strlen (string) |
               |
               v
   < for (i=0; i<n-1; i++) >
               |
               v
   < for (j=i+1; j<n; j++) >
               |
               v
            < if
         (string[i]>
          string[j]) >
               |
               v
    | temp = string [i]       |
    | string[i]=string[j]     |
    | string[j] = temp        |
               |
               v
   / Output the sorted string /
               |
               v
           ( stop )
```