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Input

```
chinmaykamath
```

Output

```
Enter the string
chinmaykamath
The sorted string is aaachhikmmnty
```

Sorting of string

```c
# include <stdio.h>
# include <string.h>
  int main()
  {
      int i, j, n;
      char str1[50], temp;
      printf (" Enter the string \n");
      gets (str1);
      n= strlen (str1);
      for( i=0; i<n-1; i++)
      {
          for(j=i+1; j<n; j++)
          {
              if ((str1[i]) > (str1[j]))
              {
                  temp = str1[i];
                  str1[i] = str1[j];
                  str1[j] = temp;
              }
          }
      }
      printf (" the sorted string is -1 s\n", str1);
      return(0);
  }
```
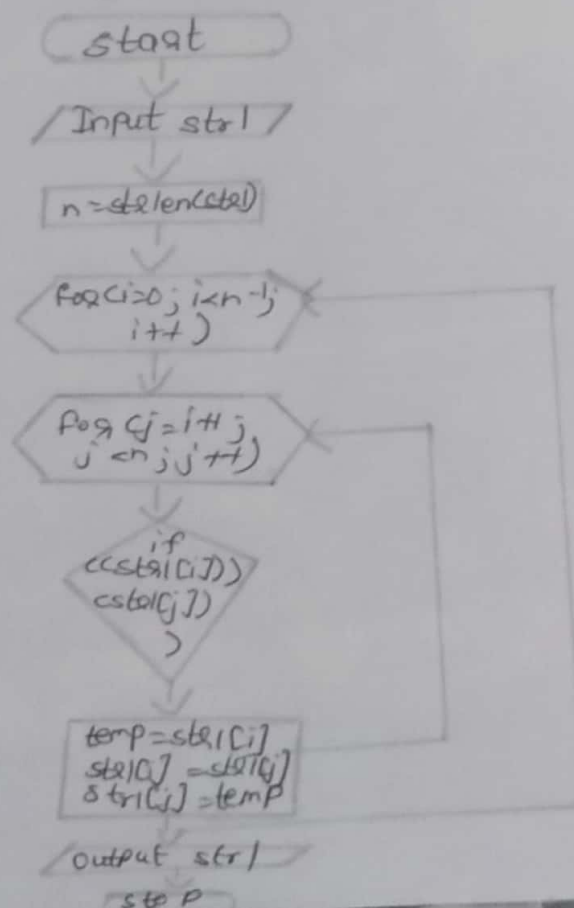
Algorithm

step1 - start
step2 - Input str1

step3 - n = strlen (str1)

step4 - Repeat for(i=0; i<n-1; i++)
            Repeat for(j=i+1; j<n; j++)
                if((str1[i]) > (str1[j]))
                {
                    temp = str1[i];
                    str1[i] = str1[j];
                    str1[j] = temp;
                }
            [End if]
            [End for]
            [End for]

step5 - output str1
step6 - stop

Flowchart

(start)
↓
/ Input str1 /
↓
[n = strlen(str1)]
↓
for(i=0; i<n-1; i++)
↓
for(j=i+1; j<n; j++)
↓
if
((str1[i]) >
(str1[j])
)
↓
temp = str1[i]
str1[i] = str1[j]
str1[j] = temp
↓
/ output str1 /
↓
stop

<u>output</u>

Enter the string

chinmay kamath

The sorted string is aaachhi kmmnty

<u>output</u>

Enter the string

chinmay kamath

The sorted string is aaachhi kmmnty