Practice (/) BETA

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⊖ **Popular Topic Tags**

─ **Maths (/topics/maths/)**

─ **Array (/topics/array/)**

─ **Dynamic-Programming (/topics/Dynamic-Programming/)**

─ **Greedy-Algorithm (/topics/Greedy-Algorithm/)**

─ **Hashing (/topics/hashing/)**

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─ **Bit-Algorithm (/topics/bit-algorithm/)**

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All-time Popular Problems
Multiply two strings (/problems/multiply-two-strings/1/?ref=self)
Given a linked list of 0s, 1s and 2s, sort it. (/problems/given-a-linked-list-of-0s-1s-and-2s-sort-it/1/?ref=self)
Count Leaves in Binary Tree (/problems/count-leaves-in-binary-tree/1/?ref=self)
Maximum Width of Tree (/problems/maximum-width-of-tree/1/?ref=self)
Sum of all prime numbers between 1 and N. (/problems/sum-of-all-prime-numbers-between-1-and-n/0/?ref=self)
Sum of Middle Elements of two sorted arrays (/problems/sum-of-middle-elements-of-two-sorted-arrays/0/?ref=self)
Level order traversal in spiral form (/problems/level-order-traversal-in-spiral-form/1/?ref=self)
Check for Balanced Tree (/problems/check-for-balanced-tree/1/?ref=self)
Height of Binary Tree (/problems/height-of-binary-tree/1/?ref=self)
Finding middle element in a linked list (/problems/finding-middle-element-in-a-linked-list/1/?ref=self)

Difficulty Level: Easy (https://practice.geeksforgeeks.org/Easy/0/0/)

Submissions: 4105 (/problem_submissions.php?pid=292) Accuracy: 42.02%

Remove all duplicates from a given string

(/topics/Array/) (/topics/String/) Show Topic Tags

Microsoft (/company/Microsoft/)

Given a string, the task is to remove all duplicate characters from the string and print the resultant string. The order of remaining characters in the output should be same as in the original string.

Input:
The first line of input contains an integer T denoting the number of test cases. The description of T test cases follows. Each test case contains a string of length N.

Output:
Print the resultant substring after removing duplicate characters from string.

Constraints:
1 ≤ T ≤ 100
1 ≤ N ≤ 100

Example:
Input:
2
geeksforgeeks
HappyNewYear

Output:
geksfor
HapyNewYr

** For More Input/Output Examples Use 'Expected Output' option **

Author: Karan Grover (https://auth.geeksforgeeks.org/user/Karan Grover/practice/)

| All submissions | (/problem_submissions.php?pid=292) | My submissions | (/problem_submissions.php?pid=292&isSolved=ALL&lang=ALL&user=Self) |

Editorial (/editorial.php?pid=292)

New to competitive programming? Please see How to Begin? (https://www.geeksforgeeks.org/how-to-begin-with-competitive-programming/)and How to Pick a Category? (https://practice.geeksforgeeks.org/pickACategory.php)

| C (gcc 5.4) | C++ (g++ 5.4) | C# | Java (1.8) | Python 3 |

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```
1  for _ in range(int(input())):
2      s=input()
3      l=sorted(set(s),key=s.index)
4      print("".join(l))
```

2
geeksforgeeks
HapyNewYear

It is recommended to 'Compile & Test' your code before clicking 'Submit'!

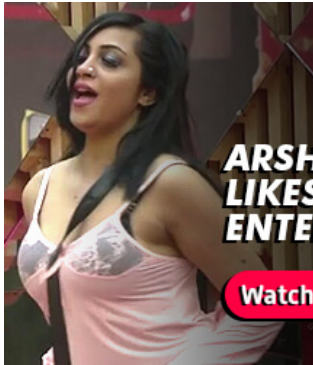| Compile & Test | Submit | Expected Output |

1

2
geeksforgeeks
HappyNewYear

Run Your Code

Compilation/Execution Result:

```
geksfor
HapyNewYr
```

Need help with your code? Please use ide.geeksforgeeks.org (https://ide.geeksforgeeks.org)**, generate link and share the link here.**

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Subjective Questions (/questions/himanshudce/)
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Trending Problems
Long Long Decimal (/problems/long-long-decimal/0/?ref=self)
Next higher number in one swap (/problems/next-higher-number-in-one-swap/0/?ref=self)
Subarray Inversions (/problems/subarray-inversions/0/?ref=self)
Counting Sort (/problems/counting-sort/1/?ref=self)
Normal BST to Balanced BST (/problems/normal-bst-to-balanced-bst/1/?ref=self)
Maximize OR (/problems/maximize-or/0/?ref=self)
Largest Divisibility Test (/problems/largest-divisibility-test/0/?ref=self)
Compute sum of digits in all numbers from 1 to n (/problems/compute-sum-of-digits-in-all-numbers-from-1-to-n/0/?ref=self)

Trending Problems
Construct BST from Postorder (/problems/construct-bst-from-post-order/1/?ref=self)
Minimum Difference among K (/problems/minimum-difference-among-k/0/?ref=self)
Minimum four sum subsequence (/problems/minimum-four-sum-subsequence/1/?ref=self)
Collecting Trees (/problems/collecting-trees/0/?ref=self)
Front-Back Transformation (/problems/front-back-transformation/0/?ref=self)
Lucky Numbers (/problems/lucky-numbers/0/?ref=self)
Large number division (/problems/large-number-division/0/?ref=self)
Java Collection	Set 2 (Set) (/problems/java-collection-set-2-set/1/?ref=self)
Close to Perfection (/problems/close-to-perfection/0/?ref=self)
Convert Level Order Traversal to BST (/problems/convert-level-order-traversal-to-bst/1/?ref=self)

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20 Comments   **GeeksforGeeks Practice**   ● **himanshu** ⌄

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Mohammed Khan • 10 months ago

Here is my code: http://code.geeksforgeeks.o...

I am getting following error when trying to submit. Please suggest

Wrong!!! Your output is producing more number of lines than expected!!!
Maybe you have extra new line character.

Input:
3
madam
geeksforgeeks
HappyNewYear

Output: As expected
Enter input count:
Enter input string:

String after remove duplicat chars: mad
Enter input string:

String after remove duplicat chars: geksfor
Enter input string:

String after remove duplicat chars: HapyNewYr

⌃ | ⌄ • Reply • Share ›

vishal jain • a year ago

Here is my code:-
import java.util.*;
import java.lang.*;
import java.io.*;

class GFG {

int a[]=new int[256];
public static void main (String[] args) {
//code

Scanner scan=new Scanner(System.in);

```
int m=scan.nextInt();

while(m>0){

String s=scan.next();
GFG g=new GFG();
g.removeDuplicate(s);
```

see more

︿ | ﹀ • Reply • Share ›

Amit Khandelwal ➜ vishal jain • a year ago
You have to decrease m
︿ | ﹀ • Reply • Share ›

satyaaditya • a year ago
its showing output as k
︿ | ﹀ • Reply • Share ›

satyaaditya • a year ago
http://code.geeksforgeeks.o...
my code is running correctly when i tested it here but while i am submitting ,its showing wrong output
︿ | ﹀ • Reply • Share ›

Hrishikesh Bawane ➜ satyaaditya • 4 months ago
As you are using c++, try using STL to make your code easy
Check out my code for reference
http://ide.geeksforgeeks.or...
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Rashedul Islam • a year ago
Please Help me .What is the wrong in this code....
http://code.geeksforgeeks.o...
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Baklol ➜ Rashedul Islam • a year ago
try hashing and it will b solved, you are creating a vector of strings, and sorting on any thing having only 1 element doesn't makes any difference, so instead of taking a vector u can directly take string as input and no need to sort as here o/p is according to occurrence of chars in i/p not according to their ascii value :).. hope it helps
︿ | ﹀ • Reply • Share ›

Afaque Ahmad • a year ago
Please Help Getting Runtime Error

```
#include<iostream>
#include<cmath>
#include<string>
#include<vector>
#include<climits>
#include<algorithm>
typedef unsigned long long int ulld;
typedef long long int lld;
using namespace std;

int main()
{
string str,output;
int arr[26],tc;
cin >> tc;
while(tc--)
```

see more

︿ | ﹀ • Reply • Share ›

Schizophrenic ➜ Afaque Ahmad • a year ago

try using a hashtable

∧ | ∨ • Reply • Share ›

zero0cool • a year ago

Test cases are working wrong. Local machine gives the same output as expected but this test case is not giving any output.

Input:
1kAlMiG2Kb7FzP5tM1QBI6DSS92c31Apgjk9lVK7dm

∧ | ∨ • Reply • Share ›

Arjun • a year ago

I am getting Wrong answer when I compile it but when I test my code with the same input I get the correct answer.
http://code.geeksforgeeks.o...

∧ | ∨ • Reply • Share ›

Sridharan • a year ago

```
#include<stdio.h>
char s[1005],c;
int mark[1000];
int main()
{
int t;
scanf("%d",&t);
scanf("%s",s);
while(t--)
{
scanf("%[^\n]s",s);
scanf("%c",&c);
int i=0;
for(i=0;i<1000;i++)
mark[i]=0;
i=0;
while(s[i])
{
```

see more

∧ | ∨ • Reply • Share ›

HIMANSHU BHUSHAN • 2 years ago

http://code.geeksforgeeks.o...
getting correct ans while running in cmd but showing error when posting here.please correct my mistake.

∧ | ∨ • Reply • Share ›

> **Sourabh Goel** ➜ HIMANSHU BHUSHAN • 2 years ago
>
> http://code.geeksforgeeks.o...
> Check this one. Correction are being made to your code.
>
> ∧ | ∨ • Reply • Share ›
>
> > **HIMANSHU BHUSHAN** ➜ Sourabh Goel • a year ago
> >
> > Thanks for the help **@Sourabh Goel** .
> >
> > 1 ∧ | ∨ • Reply • Share ›

kikuri hime • 2 years ago

why the output of the first testcase 'geksfor' ? why not just 'for'?

∧ | ∨ • Reply • Share ›

> **Practice Help** ➜ kikuri hime • 2 years ago
>
> That's because we have to remove only one of the occurrences which are duplicate.
>
> 1 ∧ | ∨ • Reply • Share ›

Bhushan Deo • 2 years ago

every time I submit a code it doesn't accept because of time limit????