Reverse a String | Practice | Geek

practice.geeksforgeeks.org/problems/reverse-a-string/1

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179

Problem Editorial Submissions Comments

Reverse a String

Basic Accuracy: 69.49% Submissions: 285K+ Points: 1

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You are given a string s. You need to reverse the string.

Example 1:

Input:
s = Geeks
Output: skeeG

Example 2:

Input:
s = for
Output: rof

C++ (g++ 5.4) Average Time: 15m Start Timer

```
1  // } Driver Code Ends
11 //User function Template for C++
12 class Solution
13 {
14     public:
15     string reverseWord(string str)
16     {
17         int start = 0;
18         int end = str.size() - 1;
19         while(start<end){
20             char temp = str[start];
21             str[start] = str[end];
22             str[end] = temp;
23             start++;
24             end--;
25         }
26         return str;
27     }
28 };
29
30
31
32 // } Driver Code Ends
```

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32°C Haze ENG IN 10:47 PM 9/2/2023

Palindrome String | Practice | Gee

practice.geeksforgeeks.org/problems/palindrome-string0817/1

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Problem Editorial Submissions Comments

Palindrome String

Easy Accuracy: **51.21%** Submissions: **280K+** Points: **2**

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Given a string **S**, check if it is palindrome or not.

Example 1:

Input: S = "abba"
Output: 1
Explanation: S is a palindrome

Example 2:

Input: S = "abc"
Output: 0
Explanation: S is not a palindrome

C++ (g++ 5.4) Start Timer

```
1  // } Driver Code Ends
8  //User function template for C++
9  class Solution{
10 public:
11
12
13     int isPalindrome(string str)
14     {
15         int start = 0;
16         int end = str.size()-1;
17         while(start<end){
18             if(str[start] != str[end]){
19                 return 0;
20             }
21             start++;
22             end--;
23         }
24         return 1;
25     }
26
27 };
28
29 // } Driver Code Ends
```

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32°C Haze ENG IN 10:48 PM 9/2/2023

Longest Prefix Suffix | Practice | G

Check if strings are rotations of e

practice.geeksforgeeks.org/problems/longest-prefix-suffix2527/1

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Problems Courses Jobs Events Upcoming POTD

179

Problem Editorial Submissions Comments

C++ (g++ 5.4) Start Timer

Longest Prefix Suffix

Medium Accuracy: **27.91%** Submissions: **95K+** Points: **4**

Given a string of characters, find the length of the longest proper prefix which is also a proper suffix.

NOTE: Prefix and suffix can be overlapping but they should not be equal to the entire string.

Example 1:

Input: s = "abab"
Output: 2
Explanation: "ab" is the longest proper prefix and suffix.

Example 2:

```
1  // } Driver Code Ends
9
10 //User function template for C++
11
12 class Solution{
13   public:
14     int lps(string s) {
15         int first = 0;
16         int second = 2;
17         int lps[s.size()+1];
18         char str[s.size()+1];
19
20         for(int i=0; i<s.size(); i++){
21             str[i+1] = s[i];
22             lps[i] = 0;
23         }
24         lps[s.size()] = 0;
25         while(second<=s.size()){
26             if(str[first+1] == str[second]){
27                 lps[second] = first+1;
28                 first++ , second++;
29             }
30             else{
31                 if(first != 0)
32                 first = lps[first];
33
34                 else
35                 second++;
```


Custom Input Compile & Run Submit

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34°C Sunny ENG IN 11:22 PM 9/2/2023

Permutations of a given string | F | Online C++ Compiler | Print all Distinct (Unique) Eleme

practice.geeksforgeeks.org/problems/permutations-of-a-given-string2041/1

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Problems Courses Jobs Upcoming Events POTD

183

Problem Editorial Submissions Comments

Output Window

Compilation Results Custom Input

Suggest Feedback

Problem Solved Successfully

Test Cases Passed:	Total Points Scored:
1115 /1115	4 /4
Your Total Score:	**Total Time Taken:**
183	0.07
Your Accuracy:	**Attempts No.:**
50%	2

Next Suggested Problem(s):

String Permutations Sum-string

C++ (g++ 5.4) Start Timer

```
1  // } Driver Code Ends
6  class Solution
7  {
8      public:
9      void find(string s , int index , vector<string>& ans){
10     if(index == s.size()-1){
11         // cout<<s<<" ";
12         ans.push_back(s);
13         return;
14     }
15     for(int i = index; i<s.size(); i++){
16         swap(s[i] , s[index]);
17         find(s , index+1 , ans);
18         swap(s[i] , s[index]);
19     }
20     }
21         vector<string>find_permutation(string s)
22         {
23             vector<string>viv;
24             vector<string>ans;
25             find(s , 0 , ans);
26             int n = ans.size();
27           //  if(ans[0] == ans[1])
28     //          viv.push_back(ans[0]);
29
30             for (int i=0; i<n; i++)
31             {
32                 int j;
```

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Custom Input Compile & Run Submit

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Parenthesis Checker | Practice | G

Online C++ Compiler

practice.geeksforgeeks.org/problems/parenthesis-checker2744/1

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Problems Courses Jobs Events (Upcoming) POTD

183

Problem Editorial Submissions Comments

Parenthesis Checker

Easy Accuracy: **28.56%** Submissions: **486K+** Points: **2**

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Given an expression string **x**. Examine whether the pairs and the orders of {,},(,),[,] are correct in exp.
For example, the function should return 'true' for exp = [()]{}{[()()]()} and 'false' for exp = [(]).

Note: The drive code prints "balanced" if function return true, otherwise it prints "not balanced".

Example 1:

Input:
{([])}
Output:
true

C++ (g++ 5.4) Start Timer

```
1  // } Driver Code Ends
7
8  class Solution
9  {
10     public:
11     //Function to check if brackets are balanced or not.
12     bool ispar(string str)
13     {
14         int n = str.size();
15         stack<char>temp;
16         for(int i=0; i<n; i++){
17             if(str[i] == '(' || str[i] == '{' || str[i] == '['){
18                 temp.push(str[i]);
19             }
20             else{
21                 if(temp.empty())
22                 return 0;
23
24                 if(str[i] == ')'){
25                     if(temp.top() == '(')
26                     temp.pop();
27                     else
28                     return 0;
29                 }
30                 else if(str[i] == '}'){
31                     if(temp.top() == '{')
32                     temp.pop();
33                     else
```

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Custom Input Compile & Run Submit

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Longest Common Prefix in an Ar | Online C++ Compiler

practice.geeksforgeeks.org/problems/longest-common-prefix-in-an-array5129/1

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Problems Courses Jobs Upcoming Events POTD 183

Problem Editorial Submissions Comments

Output Window

Compilation Results | Custom Input

Suggest Feedback

Problem Solved Successfully

You get marks only for the first correct submission if you solve the problem without viewing the full solution.

Test Cases Passed:	Your Total Score:
505 /505	183
Total Time Taken:	Correct Submission Count:
0.28	2
Attempts No.:	
10	

C++ (g++ 5.4) Average Time: 15m Start Timer

```
1  // } Driver Code Ends
8  //User function template for C++
9
10 class Solution{
11   public:
12
13     string longestCommonPrefix (string arr[], int n)
14     {
15         int count = 0;
16         int m = INT_MAX;
17         for(int i=0; i<n; i++){
18             if(arr[i].size()<m){
19                 m = arr[i].size();
20             }
21         }
22         for(int i=0; i<m; i++){
23             for(int j=1; j<n; j++){
24                 if(arr[j-1][i] != arr[j][i]){
25                     if(count){
26                         return arr[0].substr(0 , count);
27                     }
28                     else{
29                         return "-1";
30                     }
31                 }
32             }
33             count++;
34         }
```

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Custom Input | Compile & Run | Submit

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Min Number of Flips | Practice | C

Online C++ Compiler

practice.geeksforgeeks.org/problems/min-number-of-flips3210/1

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Problems Courses Jobs Events (Upcoming) POTD

183

Problem Editorial Submissions Comments

Min Number of Flips

Easy Accuracy: 48.58% Submissions: 43K+ Points: 2

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Given a binary string, that is it contains only 0s and 1s. We need to make this string a sequence of alternate characters by flipping some of the bits, our goal is to minimize the number of bits to be flipped.

Example 1:

Input:
S = "001"
Output: 1
Explanation:
We can flip the 0th bit to 1 to have 101.

C++ (g++ 5.4) Start Timer

```
1  // } Driver Code Ends
19
20
21
22
23 int minFlips (string str)
24 {
25     int count1 = 0 , count2 = 0;
26     int n = str.size();
27     for(int i=1; i<n; ){
28         if(str[i] != '0'){
29             count1++;
30         }
31         i = i+2;
32     }
33     for(int i=0; i<n; ){
34         if(str[i] != '1'){
35             count1++;
36         }
37         i = i+2;
38     }
39
40     for(int i=1; i<n; ){
41         if(str[i] != '1'){
42             count2++;
43         }
44         i = i+2;
45     }
```

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Custom Input Compile & Run Submit

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