

















All Domains > Tutorials > 30 Days of Code > Day 6: Let's Review

Day 6: Let's Review ■



Problem

Submissions

Leaderboard

Discussions

Editorial

Tutorial

Objective

Today we're expanding our knowledge of Strings and combining it with what we've already learned about loops. Check out the Tutorial tab for learning materials and an instructional video!

Task

Given a string, S, of length N that is indexed from 0 to N-1, print its *even-indexed* and *odd-indexed* characters as 2 space-separated strings on a single line (see the *Sample* below for more detail).

Note: 0 is considered to be an *even* index.

Input Format

The first line contains an integer, T (the number of test cases). Each line i of the T subsequent lines contain a String, S.

Constraints

- $1 \le T \le 10$
- $2 \le \text{length of } S \le 10000$

Output Format

For each String S_j (where $0 \le j \le T - 1$), print S_j 's even-indexed characters, followed by a space, followed by S_j 's odd-indexed characters.

Sample Input

2 Hacker

Sample Output

Hce akr Rn ak

Explanation

Test Case 0: S ="Hacker"

S[0] = "H"

S[1] ="a"

S[1] = "c"

S[3] ="k"

S[4] ="e"

S[5] = "r"

The *even* indices are **0**, **2**, and **4**, and the *odd* indices are **1**, **3**, and **5**. We then print *a single line* of **2** space-separated strings; the first string contains the ordered characters from *S*'s *even* indices (**Hce**), and the second string contains the ordered characters from *S*'s *odd* indices (**akx**).

Test Case 1: S ="Rank"

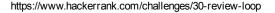
 $S[0] = \mathbf{R}$

S[1] = "a"

S[2] ="n"

S[3] = "k"

The *even* indices are **0** and **2**, and the *odd* indices are **1** and **3**. We then print *a single line* of **2** space-separated strings; the first string contains the ordered characters from **S**'s *even* indices (**Rn**), and the second string contains the ordered characters from **S**'s *even* indices (**Rn**).



Submissions: 58404 Max Score: 30 Difficulty: Easy

Rate This Challenge:
ななななな

```
C#
 Current Buffer (saved locally, editable) & 5
    using System;
     using System.Collections.Generic;
 2
 3
     using System.IO;
 4
    class Solution {
         static void Main(String[] args) {
 5
              /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be
 6
     named Solution */
 7
 8
              int t = int.Parse(Console.ReadLine());
 9
10
                 while (t-- > 0)
11
12
                      string s = Console.ReadLine();
13
                      string pares = "", impares = "";
14
15
                      for (int i = 0; i < s.Length; i++)
16
17
                          if (i % 2 == 0)
18
19
                              pares += s[i];
20
21
                          else
22
23
                               impares += s[i];
24
25
26
                      Console.WriteLine(pares + " " + impares);
27
28
29
30
         }
31
                                                                                                         Line: 28 Col: 14
                     Test against custom input
1 Upload Code as File
                                                                                               Run Code
                                                                                                           Submit Code
```

Congrats, you solved this challenge!

✓ Test Case #0
✓ Test Case #1
✓ Test Case #2
✓ Test Case #3
✓ Test Case #4
✓ Test Case #5
✓ Test Case #6
✓ Test Case #7
✓ Test Case #8

Next Challenge

Copyright © 2017 HackerRank. All Rights Reserved

2/3

