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Day 6: Let's Review

by AllisonP

Problem

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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

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

Output Format

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

Sample Input

```
2
Hacker
Rank
```

Sample Output

```
Hce akr
Rn ak
```

Explanation

Test Case 0: $S = \text{"Hacker"}$

$S[0] = \text{"H"}$

$S[1] = \text{"a"}$

$S[2] = \text{"c"}$

$S[3] = \text{"k"}$

$S[4] = \text{"e"}$

$S[5] = \text{"r"}$

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 (**akr**).

Test Case 1: $S = \text{"Rank"}$

$S[0] = \text{"R"}$

$S[1] = \text{"a"}$

$S[2] = \text{"n"}$

$S[3] = \text{"k"}$

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 *odd* indices (**ak**).




Submissions: 58404

Max Score: 30

Difficulty: Easy

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C#



```
1 using System;
2 using System.Collections.Generic;
3 using System.IO;
4 class Solution {
5     static void Main(String[] args) {
6         /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be
        named Solution */
7
8         int t = int.Parse(Console.ReadLine());
9
10        while (t-- > 0)
11        {
12            string s = Console.ReadLine();
13
14            string pares = "", impares = "";
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
27            Console.WriteLine(pares + " " + impares);
28        }
29    }
30 }
31 }
```

Line: 28 Col: 14

 Upload Code as File☐ Test against custom input

Run Code

Submit Code

Congrats, you solved this challenge!

✓ Test Case #0

✓ Test Case #3

✓ Test Case #6

✓ Test Case #9

✓ Test Case #1

✓ Test Case #4

✓ Test Case #7

✓ Test Case #2

✓ Test Case #5

✓ Test Case #8



Next Challenge

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