



Day 6: Let's Review ★

1 more challenge to get your next star!

Points: 6/7



Problem

Submissions

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Tutorial

Objective

Today we will expand our knowledge of strings, combining it with what we have 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.

Example

$s = \text{adbef}$

Print `abc def`

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**).

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Language

Python 3



```

1  # Enter your code here. Read input from STDIN. Print output to STDOUT
2  #taking the input of the number of Strings
3  T = int(input())
4  s= None
5  for i in range(T):
6      #taking input of string s
7      s= str(input())
8
9      # The below line has two parts 1. string[:2] & 2. string[1::2].
10     # General format is [start:stop:step].
11     # 1. string[:2] basically means that start from 0 to the end of the String
        skipping 2 characters hence taking all even strings
12     # 2. string[1::2] same as the above but we start from 1 and not 0
13     print((s[:2]),s[1::2])
14

```

Line: 14 Col: 1

[Upload Code as File](#)☐ Test against custom input[Run Code](#)[Submit Code](#)

Congratulations!

You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Sample Test case 0

Input (stdin)

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```

1  2
2  Hacker
3  Rank

```

Your Output (stdout)

```

1  Hce akr
2  Rn ak

```

Expected Output

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```

1  Hce akr
2  Rn ak

```



