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Day 6: Let's Review

👤 **by AllisonP**

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
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: $S = \text{"Rank"}$

$S[0] = "R"$
$S[1] = "a"$
$S[2] = "n"$
$S[3] = "k"$

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

Submissions: 14084

Max Score: 30

Difficulty: Easy

More

Current Buffer (saved locally, editable)

Python 2

```python
1  # Enter your code here. Read input from STDIN. Print output to STDOUT
2  a=int(raw_input())
3  for i in range(0,a):
4      st=raw_input()
5      leng=len(st)
6      even=str()
7      odd=str()
8      for j in range(0,leng):
9          if j%2==0:
10             even+=st[j]
11         else:
12             odd+=st[j]
13     print even,odd
14
```

Line: 13 Col: 16

⬆ Upload Code as File   ☐ Test against custom input   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
✔ Test Case #9

Next Challenge

Join us on IRC at #hackerrank on freenode for hugs or bugs.

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