



Practice

Compete

Jobs

Rank

Leaderboard



atonughosh ▾

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## Day 6: Let's Review

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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: 53710

Max Score: 30

Difficulty: Easy