

Day 6: Let's Review

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 (**an**), and the second string contains the ordered characters from *S*'s *odd* indices (**ak**).