



# Tag Content Extractor

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In a tag-based language like *XML* or *HTML*, contents are enclosed between a *start tag* and an *end tag* like `<tag>contents</tag>`. Note that the corresponding *end tag* starts with a `/`.

Given a string of text in a tag-based language, parse this text and retrieve the contents enclosed within sequences of well-organized tags meeting the following criterion:

1. The name of the *start* and *end* tags must be same. The HTML code `<h1>Hello World</h2>` is *not valid*, because the text starts with an `h1` tag and ends with a non-matching `h2` tag.
2. Tags can be nested, but content between nested tags is considered *not valid*. For example, in `<h1><a>contents</a>invalid</h1>`, `contents` is *valid* but `invalid` is *not valid*.
3. Tags can consist of any printable characters.

## Input Format

The first line of input contains a single integer,  $N$  (the number of lines).

The  $N$  subsequent lines each contain a line of text.

## Constraints

- $1 \leq N \leq 100$
- Each line contains a maximum of  $10^4$  printable characters.
- The total number of characters in all test cases will not exceed  $10^6$ .

## Output Format

For each line, print the content enclosed within valid tags.



If a line contains multiple instances of valid content, print out each instance of valid content on a new line; if no valid content is found, print `None`.




## Sample Input

```
4
<h1>Nayeem loves counseling</h1>
<h1><h1>Sanjay has no watch</h1></h1><par>So wait for a while</par>
<Amees>safat codes like a ninja</amees>
<SA premium>Imtiaz has a secret crush</SA premium>
```

## Sample Output

```
Nayeem loves counseling
Sanjay has no watch
So wait for a while
None
Imtiaz has a secret crush
```

Current Buffer (saved locally, editable)  

Java 7   

```

21 import java.io.*;
22 import java.util.*;
23 import java.text.*;
24 import java.math.*;
25 import java.util.regex.*;
26
27 public class Solution{
28     public static void main(String[] args){
29
30         Scanner in = new Scanner(System.in);
31         int testCases = Integer.parseInt(in.nextLine());
32         while(testCases>0){
33             String line = in.nextLine();
34
35             //Write your code here
36
37             testCases--;
38         }
39     }
40 }
41

```

Line: 1 Col: 1

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

Run Code

Submit Code

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