



XML 1 - Find the Score ★

95/115 challenges solved
Rank: 25692 | Points: 1885 ⓘ



Your XML 1 - Find the Score submission got 20.00 points.

Share

Post



[Try the next challenge](#) | [Try a Random Challenge](#)

Problem

Submissions

Leaderboard

Editorial ⓘ

You are given a valid XML document, and you have to print its score. The score is calculated by the sum of the score of each element. For any element, the score is equal to the number of attributes it has.

Input Format

The first line contains ***N***, the number of lines in the XML document.

The next ***N*** lines follow containing the XML document.

Output Format

Output a single line, the integer score of the given XML document.

Sample Input

```
6
<feed xml:lang='en'>
  <title>HackerRank</title>
  <subtitle lang='en'>Programming challenges</subtitle>
  <link rel='alternate' type='text/html' href='http://hackerrank.com/'/>
  <updated>2013-12-25T12:00:00</updated>
</feed>
```

Sample Output

```
5
```

Explanation

The feed and subtitle tag have one attribute each - lang.

The title and updated tags have no attributes.

The link tag has three attributes - rel, type and href.

So, the total score is **1 + 1 + 3 = 5**.

There may be any level of nesting in the XML document. To learn about XML parsing, refer [here](#).

NOTE: In order to parse and generate an XML element tree, use the following code:

```
>> import xml.etree.ElementTree as etree
>> tree = etree.ElementTree(etree.fromstring(xml))
```

Here, XML is the variable containing the string.

Also, to find the number of keys in a dictionary, use the len function:

```
>> dicti = {'0': 'This is zero', '1': 'This is one'}
>> print (len(dicti))
```

2

[Change Theme](#)

Language

Python 3



```
1 import sys
3
4 def get_attr_number(node):
5     # your code goes here
6     score = len(node.attrib)
7     for child in node:
8         score += get_attr_number(child)
9     return score
10
11 if __name__ == '__main__':
```

EMACS

Line: 1 Col: 1

Upload Code as File

☐ Test against custom input

Run Code

Submit Code

You have earned 20.00 points!

95/115 challenges solved.

83%



Congratulations

Next Challenge

You solved this challenge. Would you like to challenge your friends?

Test case 0

Compiler Message

Test case 1

Success

Test case 2

Input (stdin)

Download

Test case 3

```
1 6
2 <feed xml:lang='en'>
3   <title>HackerRank</title>
4   <subtitle lang='en'>Programming challenges</subtitle>
5   <link rel='alternate' type='text/html' href='http://hackerrank.com/'/>
6   <updated>2013-12-25T12:00:00</updated>
7 </feed>
```

Test case 4

Test case 5

Test case 6

Expected Output

Download