



Practice > Python > XML > XML 1 - Find the Score

XML 1 - Find the Score ☆

89/115 challenges solved

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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))
```

Author

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Difficulty

Easy

Max Score

20

Submitted By

5177

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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

Current Buffer (saved locally, editable) Python 3

```
1 import sys  
2 import xml.etree.ElementTree as etree  
3 def get_attr_number(node):  
4     return len(node.attrib)+sum(get_attr_number(i) for i in node)  
  
5 if __name__ == '__main__':
```

Line: 4 Col: 65

Upload Code as File

☐ Test against custom input

Run Code

Submit Code



You have earned 20.00 points!

89/115 challenges solved.

77%

Congratulations

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



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10 Testcases

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```
<feed xml:lang='en'>
  <title>HackerRank</title>
  <subtitle lang='en'>Django
```

Success