

Started on	Monday, 1 July 2024, 2:52 PM
State	Finished
Completed on	Monday, 1 July 2024, 2:54 PM
Time taken	2 mins 16 secs
Grade	5.00 out of 10.00 (50%)

Question 1

Complete

Mark 0.00 out of 5.00

A prodcut's JSON formatted data is shown below:

```
-----
{
  "product": {
    "id": 34,
    "productName": "Orange Basmathi Rice",
    "description": {
      "short": "White Basmati Rice.",
      "long": "White Basmathi Rice imported from Pakistan."
    },
    "category": "Rice",
    "brand": "CIC",
    "expiredDate": "2023.05.04"
  }
}
```

A student has converted this JSON data to XML format as follows:

```
-----
<?xml version="1.0" encoding="UTF-8" ?>
<product>
  <id>34</id>
  <productName>Orange Basmathi Rice</productName>
  <description>
MISSING PART
    <long>
      White Basmathi Rice imported from Pakistan.
    </long>
  </description>
  <category>Rice</category>
  <brand>CIC</brand>
  <expiredDate>2023.05.04</expiredDate>
</product>
-----
```

The student has made a mistake during the conversion and a part of the XML is missing (as marked above in red color). What is the missing part needed to exactly match the above JSON formatted data?

Answer: <?xml version="1.0" encoding="UTF-8" ?> <product> <id>34</id> <productNam

Question 2

Correct

Mark 5.00 out of 5.00

Suppose there is a python variable named myVar containing a set of JSON elements in **String format**.

myVar = '{"name": "Bob", "languages": ["English", "French"]}'

Write a program to count the number of JSON objects in this variable.

Answer: (penalty regime: 0 %)

Reset answer

```
1 import json
2
3 myVar = '[{"name": "Bob", "languages": ["English", "French"]}, {"name": "Alice", "languages": ["Spa
4
5 try:
6     # Parse the JSON string into a list of dictionaries
7     data = json.loads(myVar)
8 except json.JSONDecodeError as e:
9     print(f"Error decoding JSON: {e}")
10    exit()
11
12 # Check if the parsed data is a list
13 if isinstance(data, list):
14     num_objects = len(data)
15 else:
16     num_objects = 0 # Handle unexpected cases
17
18 print(num_objects)
19
```

	Expected	Got	
✓	2	2	✓

Passed all tests! ✓

Correct

Marks for this submission: 5.00/5.00.

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