Finger Exercises Lecture 13

The questions below are due on Wednesday October 26, 2022; 03:00:00 PM.

1) Question 1 of 1

```
Implement the function that meets the specification below.:
```

```
def sum_str_lengths(L):
    L is a non-empty list containing either:
    * string elements or
    * a non-empty sublist of string elements
    Returns the sum of the length of all strings in L and
    lengths of strings in the sublists of L. If L contains an
    element that is not a string or a list, or L's sublists
    contain an element that is not a string, raise a ValueError.
    \mathbf{H} \mathbf{H} \mathbf{H}
    # Your code here
# Examples:
print(sum_str_lengths(["abcd", ["e", "fg"]])) # prints 7
print(sum_str_lengths([12, ["e", "fg"]]))
                                              # raises ValueError
print(sum_str_lengths(["abcd", [3, "fg"]]))
                                                # raises ValueError
   # your function here
           total = 0
                for el in L:
                    if type(el) is str:
                         total += len(el)
                    #assumed everything else would be a list instead of checking
                         for sub_el in el:
                             total += len(sub_el)
                return total
           except:
                raise ValueError
```

You have infinitely many submissions remaining.

MIT OpenCourseWare https://ocw.mit.edu

6.100L Introduction to CS and Programming Using Python Fall 2022

For information about citing these materials or our Terms of Use, visit: https://ocw.mit.edu/terms