Finger Exercises Lecture 12

The questions below are due on Monday October 24, 2022; 03:00:00 PM.

1) Question 1 of 1

Implement the function that meets the specification below.:

```
def count_sqrts(nums_list):
  """
  nums_list: a list
    Assumes that nums_list only contains positive numbers and that there are no duplicates.
  Returns how many elements in nums_list are exact squares of   elements in the same list, including
 """
  # Your code here

# Examples:
print(count_sqrts([3,4,2,1,9,25])) # prints 3
```

```
# your function here
def count_sqrts(nums_list):
    """
    nums_list: a list
    Assumes that nums_list only contains positive numbers and
    that there are no duplicates.
    Returns how many elements in nums_list are exact squares of elements
    in the same list, including itself
    """

    exact_squares = []
    exact_squares = [el for el in nums_list if el**2 in nums_list]
    return len(exact_squares)
```

You have infinitely many submissions remaining.

Here is the solution we wrote:

```
def count_sqrts(nums_list):
    cnt =   0
      for i in nums_list:
          if i*i in nums_list:
        cnt +=       1
      return cnt
```

6.100L Introduction to CS and Programming Using Python

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