Finger Exercises Lecture 23

The questions below are due on Monday December 05, 2022; 03:00:00 PM.

1) Question 1 of 3

2) Question 2 of 3

```
Choose the worst case asymptotic order of growth (upper and lower bound) for the following function. Assume
n = len(L).
def tricky_f(L, L2):
   """ L and L2 are lists of equal length """
   inL = False
   for e1 in L:
     if e1 in L2:
       inL = True
   inL2 = False
   for e2 in L2:
     if e2 in L:
       inL2 = True
   return inL and inL2
---
        \mathbf{\vee}
You have infinitely many submissions remaining.
```

3) Question 3 of 3

```
Choose the worst case asymptotic order of growth (upper and lower bound) for the following function.
```

```
def sum_f(n):
    """ n > 0 """
    answer = 0
    while n > 0:
        answer += n%10
        n = int(n/10)
    return answer
```

```
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```

You have infinitely many submissions remaining.

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