

22C:16 Quiz 7

1. What does each of the following expression evaluate to?

(a) `map(bool, [None, 0, -1, 0.0, "test"])`

(b) `filter(math.floor, [1.4, 0.3, -0.24, 1.78, 0.04])`

(c) `map(range, range(5))`

(d) `map(sum, map(range, range(1, 7, 2)))`

(e) `map(range, (map(len, ["hello", "hi", "bye", "Good Bye"])))`

2. What does each of the following expression evaluate to? Suppose that L is the list `["These", "are", "a", "few", "words", "that", "we", "will", "use"]`.

(a) `L[3:4][0][2]`

(b) `L[:len(L)-4]`

(c) `L[0][1:]`

(d) $(L[0] + L[2]) * 2$

(e) $L[0:2] + L[4:6]$
