

22C:16 Practice for Quiz 7

1. What does each of the following expression evaluate to?
 - (a) `map(sum, [[1,2,3], [2,3,4], [3,4,5]])`
 - (b) `map(sum, map(range, range(1,10,3)))`
 - (c) `map(len, "hello??? how are you?".split())`
 - (d) `filter(math.ceil, [0.09, -0.09, 1.78, 100.9, -0.1])`
 - (e) `map(range, (map(len, ["hello", "how", "are", "you"])))`
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[1:4:2]`
 - (b) `L[: :3]`
 - (c) `L[4:5][0][2]`

(d) $L[5][1:]$

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