

## 22C:16 (CS:1210) Quiz 7

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You have 20 minutes to complete this quiz.

Evaluate each expression and write down its *value*. Assume that (i) `concat` is a function that takes two parameters `a` and `b` and returns `a+b`, (ii) `isLen2` is a function that takes a parameter `x` and returns `len(x) == 2`, and (iii) `L = [ ["your", "name"], ["Write"], "your", "section", [ ["and", "your"], "student"], "ID"]`.

(a) `map(range, map(len, L[:3]))`

(b) `L[3:][1][1][4]`

(c) `L[2:7:2]`

(d) `filter(isLen2, L)`

(e) `filter(isLen2, L[1::2])[0][1]`

(f) `reduce(concat, L[:2])`

(g) `map(len, L).count(2)`

(h) `L[1] + L[4][0]`

(i) `L[4][0].index("your")`

(j) `map(range, [L.count("and")+1, L.count("your")+1])`

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