

CS:1210 Quiz 6 Version (c)

You have 15 minutes to complete this quiz. Please put away your books, notes, and all electronic devices

1. Suppose that $L = [[3, 1, 2], ["hello", "ok", "bye"], 23.5, [True, False]]$. Evaluate the following expressions.

(a) $3*[L[2]]$

(b) $2*L[0] + 3*[L[2]]$

(c) "ok" in L

(d) $L[1][0][2] + L[1][0][4] + L[1][1]$

(e) $L[\text{len}(L)-1][0]$ and $(L[0][0] > 1)$

Please turn over.

2. Write a function called `firstCharacters` that takes as parameter a list `L` of strings and returns a list containing the first characters of the strings in `L`. For example, if `L` is `["891", "oxygen", "mangrove", "3.17", "True", "zealous"]` then the function `firstCharacters` should return `["8", "o", "m", "3", "T", "z"]`. Note that order in which the first characters appear in the returned list needs to match the order in which the corresponding strings appear in `L`.