CS:1210 (22C:16) Quiz 7 Version (c)

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

1. Suppose that the list L equals `[100, ["ok", "is"], 1000, [1, 2], [[1, 2], [2, 3]], 1000]` . Write down the value of `L` after each of these Python statements. For each problem start with the (same) value of `L` given above.

    (a) `L.insert(3, 200)`

    (b) `L.remove(1000)`

    (c) `L.extend(2*L[4][0])`

    (d) `L[L.index([1, 2])] = L[0]`

    (e) `L[4][0][1] = L[len(L)-1]`

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2. Write a function called `duplicate` that takes a list `L` as a parameter and inserts a copy of each element right next to it in `L`. Note that the function `duplicate` would not return anything; it would just modify `L` in-place. Thus, for example we should see the following type of behavior:

```
L = [3, 4, 5]
duplicate(L)
L
[3, 3, 4, 4, 5, 5]
```