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:

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