CS:1210 (22C:16) 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 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.extend(L[4][0])`

   (b) `L.insert(4, L[0])`

   (c) `L.insert(len(L)-1, "Mario")`

   (d) `L[1].insert(1, "at")`

   (e) `L.remove([1, 2])`

2. Write a function called `makeAlmostBinary` that takes as parameter a list of numbers and replaces all positive numbers by 1 and all negative numbers by -1. All zeroes in the list remain unchanged.

An example use of this function is as follows:

```
L = [-10, 0, 2.5, -3.12, 0, 100.52, 0]
makeAlmostBinary(L)
print L
```

This code fragment should produce `[-1, 0, 1, -1, 0, 1, 0]` as output. Notice that the function does not return anything; it simply modifies the given list in-place.