

**22C:16 Quiz 6**  
**Date: Mar 6th, 2012**

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1. [5 points] What does each of the following expression evaluate to? Suppose that L is the list ["These", ["are", "a"], ["few", "words"], "that", "we", "will", "use"].

(a) `L[3:4] + L[1:2]`

```
L[3:4] = ['that']
L[1:2] = [['are', 'a']]
L[3:4] + L[1:2] = ['that', ['are', 'a']]
```

(b) `"few" in L[2:3]`

False. The string "few" is not an element of this range. `L[2:3]` returns a list of elements from L -> `['few', 'words']`, this is a list with one element, a list.

(c) `"few" in L[2]`

True. `L[2]` returns the list `['few', 'words']`, "few" is an element of this list.

(d) `L[2][1:]`

```
L[2] = ['few', 'words']
L[2][1:] = ['words']
```

(e) `L[1]+L[2]`

```
L[1] = ['are', 'a']
L[2] = ['few', 'words']
L[1]+L[2] = ['are', 'a', 'few', 'words']
```

**Turn over for Problem 2.**

2. [5 points] Here is a partially completed function called `isSorted` that takes a list of numbers as a parameter and returns `True` if the list of numbers is sorted in ascending order and `False` otherwise. For example, if the given list is `[3, 8.5, 8.5, 11, 22]` then the function would return `True`; if the given list is `[3, 8.5, -11, 22]` then the function would return `False`. There is one line missing in this function. Your task is to supply this line.

```
def isSorted(L):  
  
    for i in range(len(L)-1):  
        # Complete the boolean condition for the if-statement below  
  
        if L[i] > L[i + 1]::  
  
            return False  
  
    return True
```