

**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][0][1][2]

```
L[3:4] = [['few', 'words']]
L[3:4][0] = ['few', 'words']
L[3:4][0][1] = 'words'
L[3:4][0][1][2] = 'r'
```

(b) "few" in L

False. The string "few" is part of a list which is an element of the list L, the the literal string is not an element of L.

(c) L[1] + L[3]

```
L[1] = ['are']
L[3] = ['few', 'words']
L[1] + L[3] = ['are', 'few', 'words']
```

(d) L[4:]

```
['that', 'we', 'will', 'use']
```

(e) L[0::2]

```
['These', 'a', 'that', 'will']
```

Turn over for Problem 2.

2. [5 points] Here is a partially completed function called `concatenate` that takes a list of strings as a parameter and returns a long string that is the concatenation of all the strings in the list, taken in order. For example, if the given list is `["These", "are", "hello"]` then the function would return `"Thesearehello"`. There is one line missing in this function. Your task is to supply this line.

```
def concatenate(L):
    bigString = ""
    for i in range(len(L)):
        # Fill in the blank line below

        bigString = bigString + L[i]
        -----

    return bigString
```

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