Purpose: Lists

Learning outcomes: 1 and 2

Time: submit before 5pm Friday of Week 9.

Resources: MyLO: lecture notes and tutorial materials

Description:

Your lecturer wants you to have some more experience with lists, list indexing and list operations.

Task:

Submit a ***plain text*** document (i.e. use Notepad or TextEdit) that contains the answers to the following questions:

1. Given `lst = [30, 1, 2, 1, 0]`, what does each of the following statements do and what is the contents of `lst` after applying **each** of the following statements? *Assume that each line of code is independent (i.e. start with the original list each time).*

1a	`lst.append(40)`
1b	`lst.insert(1, 43)`
1c	`lst.extend([1, 43])`
1d	`lst.remove(1)`
1e	`lst.pop(1)`
1f	`lst.pop()`
1g	`lst.sort()`
1h	`lst.reverse()`

2. Given `lst = [30, 1, 2, 1, 0]`, what does each statement do and what is the **return value** of each statement? *Assume that each line of code is independent.*

2a	`lst.index(1)`
2b	`lst.count(1)`
2c	`len(lst)`
2d	`lst[1 : 3]`
2e	`lst[3]`

Hint:

Your answers should detail both what the string method does and what the result is.

For example:

1a: append(40) making the number 40 will be added to the end of the list. `lst = [30,1,2,1,0,40]`.

Submission Details

Upload the following to the MyLO submission folder for this task:

1. The text file (i.e. the a plain text file containing your answers)

Assessment Criteria & Hints

A completed submission **must**:

1. Give correct answers for all questions