Submission from 1/12/2016 1:39 PM

CSE 160 16wi - Wed 01/12 - RQ-05

<table>
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| 1/1 | What is the value of lst after executing the following code?

```python
lst = [1, 2, 3]
lst2 = lst
lst2[-1] = 17
lst2 = 'this is a string'
```

- Error. (-1 is not a valid index.)
- 'this is a string'
- [1, 2, 3]
- [1, 2, 17]

**Correct**

**Answer:**

[1, 2, 17]

| 2/2 | Imagine that the variable lst references the list value [1, 2]. After executing a single statement, we want lst to reference the list value [1, 2, 3]. Which of the following statements could we use to do this? (Check all that apply.)

- [ ] lst + 3
- [ ] lst = lst.append(3)
- [x] lst.append(3)
- [x] lst = lst + [3]
- [ ] lst + [3]
- [ ] lst.append([3])

**Correct**

**Answer:**

lst.append(3), lst = lst + [3]
The following code causes an error when it is run. What error is raised? What is the value of `index` when the error occurs? What causes the error?

```python
lst = ['these', 'are', 'some', 'words']
for index in range(len(lst)):
    lst[index] = lst[index] + 1
```

Python raises an IndexError. The value of the loop variable, `index`, is 3 when the exception is raised. The exception is a result of attempting to access `lst[4]`, which does not exist (valid indices in `lst` are 0, 1, 2, and 3).

**Needs manual grading**

**Answer:**

**Feedback:**
Python raises an IndexError. The value of the loop variable, `index`, is 3 when the exception is raised. The exception is a result of attempting to access `lst[4]`, which does not exist (valid indices in `lst` are 0, 1, 2, and 3).

**Total points:** 3/5

Questions or Comments?
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