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'
```

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

**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 = lst.append(3)`  ✗
- `lst + 3`  ✗
- `lst + [3]`  ✗
- `lst = lst + [3]`  ✓
- `lst.append([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?

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

IndexError: list index out of range

Correct

Answer:

Feedback:
IndexError: list index out of range

Regarding the code above, what is the value of `index` when the error occurs?

3

Correct

Answer:

Feedback:
The value of the loop variable, index, is 3 when the exception is raised.

Regarding the code above, what causes the error?

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).

Correct

Answer:
Feedback:
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:
6/6

Questions or Comments?
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