Lab 5 Quiz

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Reminder

Lab Quiz should be taken individually. Only the lab manual and your terminal are allowed during the quiz.

pythontutor is not allowed.

Q1 *Submitted Oct 28th 2021 at 10:22:44 am*

Consider the code below:

```python
def add_element(words, element):
    if element not in words:
        words.append(element)


list1 = ["warren", "sixth"]
list2 = ["warren", "sixth"]
add_element(list1, "revelle")
print(list2)
```

What will be printed out after running this code?

- ⦿ `['warren', 'sixth']`

- ◯ `['warren', "sixth", 'revelle']`

- ◯ `['warren']`

- ◯ `['sixth']`

Q2 *Submitted Oct 28th 2021 at 10:23:10 am*

Consider the code below:

```
def add_element(words, element):
    if element not in words:
        words.append(element)


list1 = ["warren", "sixth"]
list2 = list1
add_element(list2, "revelle")
print(list1)
```

What will be printed out after running this code?

○ `['warren', 'sixth']`

● `['warren', 'sixth', 'revelle']`

○ `['warren']`

○ `['sixth']`

Q3 *Submitted Oct 28th 2021 at 10:26:18 am*

You can never have a local variable that has the same name as a global variable.

○ True

● False

Q4 *Submitted Oct 28th 2021 at 10:25:14 am*

Consider the following code:

```python
def days_to_hours(days):
    hours = days * 24
    return hours

def hours_to_minutes(hours):
    minutes = hours * 60
    return minutes

def minutes_to_seconds(minutes):
    seconds = minutes * 60
    return seconds

def weeks_to_days(weeks):
    days = weeks * 7
    return days

def weeks_to_hours(weeks):
    days = weeks_to_days(weeks)
    hours = days_to_hours(days)
    return hours

def weeks_to_minutes(weeks):
    hours = weeks_to_hours(weeks)
    minutes = hours_to_minutes(hours)
    return minutes

weeks_to_minutes(3)
```

Trace the function calls **by yourself**. In what order are the functions executed? Include **all** functions that are executed.

- ○ weeks_to_minutes

- ○ weeks_to_minutes, weeks_to_hours, hours_to_minutes

- ○ weeks_to_minutes, weeks_to_hours, weeks_to_days, hours_to_minutes

- ● weeks_to_minutes, weeks_to_hours, weeks_to_days, days_to_hours, hours_to_minutes

- ○ weeks_to_minutes, weeks_to_hours, weeks_to_days, days_to_hours, hours_to_minutes, minutes_to_seconds

Q5 *Submitted Oct 28th 2021 at 10:25:56 am*

Consider the following code:

```
var1 = 0

def function1(x):
    return 0

def function2():
    var2 = 0

function1(50)
```

Identify the global variables, local variables, parameters, and arguments.

- [x] var1: global variable
- [ ] var1: local variable
- [ ] var2: global variable
- [x] var2: local variable
- [ ] x: argument
- [x] x: parameter
- [x] 50: argument
- [ ] 50: parameter