

# FIRST QUIZ

You have 15 minutes from the start of class to complete this quiz. Read the questions with care; work with deliberate speed. Don't give us more than we ask for. The usual instructions apply. Good luck!

## Problem 1 (10 points)

What does Python print when it executes each of the following code segments?

(a) (1/2 point) `print("Anaconda")`

(b) (1/2 point) `print(2 * 5)`

(c) (1 point) `print("Boa" + "Boa" + "Boa")`

(d) (2 points) `c = 5  
d = 8  
c = c + 1  
print(c, d, c + d)`

(e) (2 points) `e = 5  
x = 3 + (e * 2)  
print(e, x)  
if x < 5:  
 print("Diamondback")  
elif x < 10:  
 print("Water Moccasin")  
else:  
 print("Asp")`

(f) (4 points) `f = 0  
print("Cottonmouth")  
while f < 5:  
 print("No. ", f)  
 f = f + 1  
print("Cobra")`

**Problem 2** (5 points)

Below is the testing code from the Python Restaurants program we went over in class.

```
testr1 = Restaurant('Thai Dishes', 'Thai', '334-4433', 'Mee Krob', 8.50)
testr2 = Restaurant('Thai Touch', 'Thai', '334-3344', 'Paht Thai', 10.50)
testr3 = Restaurant('Taillevent', 'French', '01-11-22-33-44', 'Escargots', 28.50)
testr4 = Restaurant('Thai Dishes', 'Thai', '223-4433', 'Paht Woon Sen', 10.50)
testr5 = Restaurant('Thai Dishes', 'Thai', '211-4433', 'Larb Gai', 13.50)
testRC = [testr1, testr2, testr3, testr4, testr5]

assert(search_by_name(testRC, "Not there") == [])
assert(search_by_name([], "Taillevent") == [])
assert(search_by_name(testRC, "Taillevent") == [testr3])
assert(search_by_name(testRC, "Thai Dishes") == [testr1, testr4, testr5])

assert(remove_by_name(testRC, "Taillevent") == [testr1, testr2, testr4, testr5])
assert(remove_by_name([], "Taillevent") == [])
assert(remove_by_name(testRC, "Thai Dishes") == [testr2, testr3])
```

Suppose you have a collection with two or more restaurants that all have the same name. Removing that name should result in an empty collection. Write one test (one `assert` statement, possibly plus an assignment statement) to demonstrate this, using some of the variables defined above.