**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) \[ \text{print(“Anaconda”)} \]

(b) (1/2 point) \[ \text{print(2 * 5)} \]

(c) (1 point) \[ \text{print(“Boa” + “Boa” + “Boa“)} \]

(d) (2 points) \[ \begin{align*}
    c &= 5 \\
    d &= 8 \\
    c &= c + 1 \\
    \text{print}(c, d, c + d)
\end{align*} \]

(e) (2 points) \[ \begin{align*}
    e &= 5 \\
    x &= 3 + (e * 2) \\
    \text{print}(e, x) \\
    \text{if } x < 5: \\
        \text{print(“Diamondback“)} \\
    \text{elif } x < 10: \\
        \text{print(“Water Moccasin“)} \\
    \text{else:} \\
        \text{print(“Asp“)}
\end{align*} \]

(f) (4 points) \[ \begin{align*}
    f &= 0 \\
    \text{print(“Cottonmouth“)} \\
    \text{while } f < 5: \\
        \text{print(“No. “}, f) \\
    f &= f + 1 \\
    \text{print(“Cobra“)}
\end{align*} \]
Problem 2 (5 points)

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

```python
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 = [tестr1, тестr2, тестr3, тестr4, тестr5]

assert(search_by_name(testRC, "Not there") == [])
assert(search_by_name([], "Taillevent") == [])
assert(search_by_name(testRC, "Taillevent") == [тестr3])
assert(search_by_name(testRC, "Thai Dishes") == [тестr1, тестr4, тестr5])

assert(remove_by_name(testRC, "Taillevent") == [тестr1, тестr2, тестr4, тестr5])
assert(remove_by_name([], "Taillevent") == [])
assert(remove_by_name(testRC, "Thai Dishes") == [тестr2, тестr3])
```

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.