

# Python Programming

## Chapter 4, Lesson 4 Quiz – “More Complex Expressions”

- 1. What is the best way to make certain all parts of a complex logical expression evaluate in the order that your program requires?**
  - a. Use parentheses to mark expressions that should evaluate first**
  - b. Write expressions from left to right and hope for the best
  - c. Break statements across multiple lines, with highest priority expressions coming first
  - d. Always use nested "if" statements to break down complex expressions
  
- 2. Given the code below, which expression placed in the ??? location will ensure a False result?**  
  
A = False  
B = True  
C = True  
if (???):
  - a. A and (B or C)**
  - b. A and B or C
  - c. (A and B) or C
  - d. A or B or C
  
- 3. Which of the following is NOT a comparison operator?**
  - a. None of these are comparison operators**
  - b. +
  - c. and
  - d. or

4. What type of value is held in the "answer" variable after the following code runs?

```
answer = (1 + 5) >= (6 - 1)
```

- a. Boolean
- b. Integer
- c. Floating point
- d. String

5. Given the following code, what can be said about result1 and result2?

```
result1 = (A < 3) or (B > 5) and ((C + D) == 42)
result2 = (A < 3) or \
          (B > 5) and \
          ((C + D) == 42)
```

- a. result1 and result2 will contain the same value
- b. result1 and result2 will contain different values
- c. None of these is valid
- d. result1 will be True and result2 will be False