

Quiz 2

1. [LO3.1] - The not equal comparison operator is _____.
- A. !=
 - B. =
 - C. ==
 - D. <>

Answer: A

2. [LO2.9] - What is x after the following statements?

```
x = 2
y = 2
x *= y + 1
A. x is 3
B. x is 4
C. x is 5
D. x is 6
```

Answer: D

3. [LO3.1] - What are the results for following Boolean expressions in Python?

```
x=6, y=3, z=3, s="6"
```

- (1) x > y Answer: False
- (2) x != y Answer: True
- (3) (x + y) == z Answer: False
- (4) z % 2 != 0 Answer: True
- (5) s == x Answer: False

4. [LO3.1] - Assume x is an integer. Write a simple **Boolean Expression** as a condition to verify if **x** is **multiple of THREE**. (Note that the result should be True if the condition is matched; No need to print out the result)

Answer: x%3==0

5. [LO2.8] - What are the results for following Numerical Expressions in Python?

For example, the result of numerical expression 5//2 is 1 in Python.

- (1) 5/3 Answer: _____1.7_____
- (2) 5//3 Answer: _____1_____
- (3) 5%3 Answer: _____2_____
- (4) 3%5 Answer: _____3_____
- (5) 2**3 Answer: _____8_____

6. [LO3.3] - What is the output of the code in a) if number is 8?

```
if number % 2 == 0:  
    print(number, "is even.")  
  
print(number, "is odd.")
```

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Output: 8 is even

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Output: 8 is odd

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Output: 8 is even
8 is odd

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Output: 8 is even
8 is even

Answer: The third choice