

Quiz 01

Started: Sep 5 at 8:05pm

Quiz Instructions

Answer the following questions in your own words. Do NOT simply cut and paste the information from the slides. You will receive a score of 0 if you copy the prose from the slides.

Question 1

2 pts

Rewrite the following 4 lines of code as a single line using a **ternary operator** to replace the **if/else** statement. *value* and *results* are variables:

```
if value % 2 == 0:  
    result = 'even'  
else:  
    result = 'odd'
```

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B *I* U **A** ▾ **A** ▾ *I*_x x^2 x_2 \sqrt{x} 12pt ▾ Para

result = 'even' if value % 2 == 0 else 'odd'

p

10 words

Question 2

2 pts

Name three items that should include type hints to help the reader to understand code.

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B *I* U **A** ▾ **A** ▾ *I* 12pt ▾ Paragraph

Variables, Function Parameters & Function Return Types

p

6 words

Question 3

2 pts

A function without an explicit return statement:

- ☐ returns without a return value
- ☒ returns None
- ☐ returns whatever is sitting at the top of the stack
- ☐ returns a random value

Question 4

2 pts

Describe short circuiting with both conjunctive (AND) and disjunctive (OR) expressions.

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Short-circuiting means stopping of evaluation of the expression if the true value of the expression has been determined already. In python, the process of evaluation of expression takes place from left to right.

AND

- If the left operand of the AND operator evaluates to FALSE then the evaluation stops, the right operand is not evaluated. (Since FALSE on any side of the AND operator results FALSE)
- If the left operand of the AND operator evaluates to TRUE then in this case both the operands are evaluated and the final result completely depends on the evaluation result of the right operator.

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167 words

Question 5

2 pts

Python uses whitespace to define blocks of code in functions and conditional statements. How many spaces should used?

- ☐ 1 - using 1 space minimizes the amount of typing
- ☐ 2 - one is too few, but two is just right
- ☐ 3 - three has always been my lucky number
- ☒ 4 - four spaces makes code easier to read

Question 6

0 pts

“I pledge on my honor that I have not given or received any unauthorized assistance on this assignment/examination. I further pledge that I have not copied any material from a book, article, the Internet or any other source except where I have expressly cited the source.”

☒ True

☐ False

Quiz saved at 9:27pm

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