F24 - Quiz 01 Python Basics

⚠ **This is a preview of the published version of the quiz**

Started: Apr 15 at 4:09pm

Quiz Instructions

This quiz covers basic python constructs from Lectures 01-03. You have 40 minutes once the quiz is activated. Quiz is available until Sunday 11:59PM

⁝

Question 1 1 pts

What will be the result of the expression `3 / 2` in Python?

○ 2

○ 0

○ 1

○ 1.5

⁝

Question 2 1 pts

What does the modulus operator `%` return?

🔊 The quotient of division

○ The absolute value

○ The remainder of division

○ The product of two numbers

⁝

Question 3 1 pts

How would you access the element `5` in the following multi-dimensional list?

matrix = [[1, 2, 3], [4, 5, 6], [7, 8, 9]]

○ matrix[2][2]

○ matrix[0][2]

○ matrix[1][1]

○ matrix[1][2]

⋮⋮

Question 4 1 pts

What is the output of the following code?

my_list = [10, 20, 30, 40, 50]
print(my_list[-3:])

○ [40, 50]

○ [30, 40, 50]

○ [10, 20, 30]

○ [50, 40, 30]

⋮⋮

Question 5 1 pts

Which of the following correctly initializes a multi-dimensional list?

○ my_list = 1, 2, 3

○ my_list = {1, 2, 3}

○ my_list = (1, 2, 3)

○ my_list = [1, [2, 3], 4]

⋮⋮

Question 6 1 pts

How do you concatenate two lists in Python? Select all

☐ list1.add(list2)

☐ list1.insert(list2)

☐
list1 + list2

☐
list1.extend(list2)

⋮⋮

Question 7 1 pts

What does the following code return? `x = 10; print(x == 10 and x > 5)`

○
Error

○
False

○
None

○
True

⋮⋮

Question 8 1 pts

How does Python manage memory?

○
By storing all data in the stack

○
Through a garbage collector that automatically frees memory

○
By allocating fixed memory to all variables

○
Through manual memory management.

⋮⋮

Question 9 1 pts

🔊
Which of the following statements about operator precedence in Python is correct?

○
* is evaluated after +

○
and is evaluated before not

○
or is evaluated before not

○
not is evaluated before and

⋮⋮

Question 10 1 pts

What is the result of the expression `not (True or False)`?

○
Error

○
True

○
None

○
False

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