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Exercise 1

Exercise 1

14/14 points (graded)

ESTIMATED TIME TO COMPLETE: 10 minutes

Below are some short Python programs. For each program, answer the associated questions.

Try to answer the questions without running the code. Check your answers, then run the code for the ones you get wrong.

```
1. iteration = 0
   count = 0
   while iteration < 5:
       # the variable 'letter' in the loop stands for every
       # character, including spaces and commas!
       for letter in "hello, world":
           count += 1
       print("Iteration " + str(iteration) + "; count is: " + str(count))
       iteration += 1
```

1. What is the value of the variable count that is printed out (at the print statement) on iteration 0?

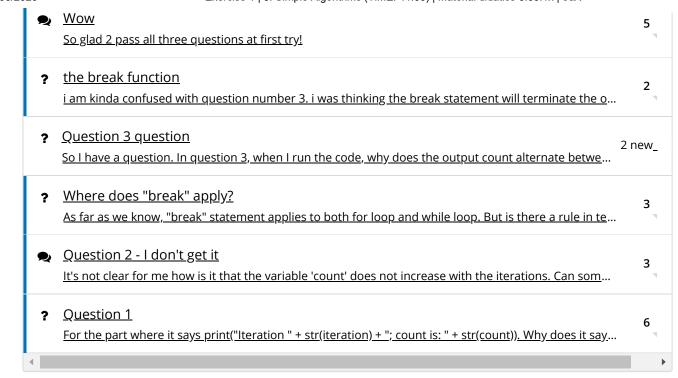
12

Answer: 12

Answer: 24 3. What is the value of the variable count that is printed out (at the print statement) on iteration 2? 36 Answer: 36 4. What is the value of the variable count that is printed out (at the print statement) on iteration 3? 48 Answer: 48 5. What is the value of the variable count that is printed out (at the print statement) on iteration 4?
3. What is the value of the variable count that is printed out (at the print statement) on iteration 2? 36 Answer: 36 4. What is the value of the variable count that is printed out (at the print statement) on iteration 3? 48 Answer: 48 5. What is the value of the variable count that is printed out (at the print statement) on iteration 4?
statement) on iteration 2? 36 Answer: 36 4. What is the value of the variable count that is printed out (at the print statement) on iteration 3? 48 Answer: 48 5. What is the value of the variable count that is printed out (at the print statement) on iteration 4?
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Answer: 48 5. What is the value of the variable count that is printed out (at the print statement) on iteration 4?
5. What is the value of the variable count that is printed out (at the print statement) on iteration 4?
statement) on iteration 4?
6 0
Answer: 60
<pre>2. iteration = 0 while iteration < 5: count = 0</pre>
for letter in "hello, world": count += 1
<pre>print("Iteration " + str(iteration) + "; count is: " + str(count)) iteration += 1</pre>
1. What is the value of the variable count that is printed out (at the print statement) on iteration 0?
12
Answer: 12

2. What is the value of the variable count that is printed out (at the print statement) on iteration 1? 12 Answer: 12 3. What is the value of the variable count that is printed out (at the print statement) on iteration 2? 12 Answer: 12 4. What is the value of the variable count that is printed out (at the print statement) on iteration 3? 12 Answer: 12 5. What is the value of the variable count that is printed out (at the print statement) on iteration 4? 12 Answer: 12 iteration = 0while iteration < 5: count = 0for letter in "hello, world": count += 1 if iteration % 2 == 0: break print("Iteration " + str(iteration) + "; count is: " + str(count)) iteration += 1 1. How many times will the print statement be executed? Answer: 5

2. What is the largest value of the variable iteration the (at the print statement)?	hat will be printed out
4	✓ Answer: 4
3. What is the largest value of the variable count that vertical the print statement)?	will be printed out (at
12	✓
Answer: 12	
4. What is the smallest value of the variable count that the print statement)?	will be printed out (at
1	✓ Answer: 1
Enviar • Answers are displayed within the problem	
Exercise 1	Ocultar discussão
Topic: Lecture 3 / Exercise 1	Add a Post
Show all posts ✓	por atividade recente 🗸
Feeling very stupid It's getting very hard to me to read the code. When I think I am understanding som	16 nething, then, I fail
Preak statement Question 3 Hi, Can someone please explain why the break statement is returning 1	11 new_ instead of 12 for
Question 1- confused Have tried in IDE and got the answer, but I really don't understand how python known	ows that I want to
Iteration I've looked up the definition more than once but I am still confused about iteration	n. When it says iter
	•



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