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## L3 PROBLEM 6 (5/5 points)

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.

```
iteration = 0
count = 0
while iteration < 5:
    for letter in "hello, world":
        count += 1
    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

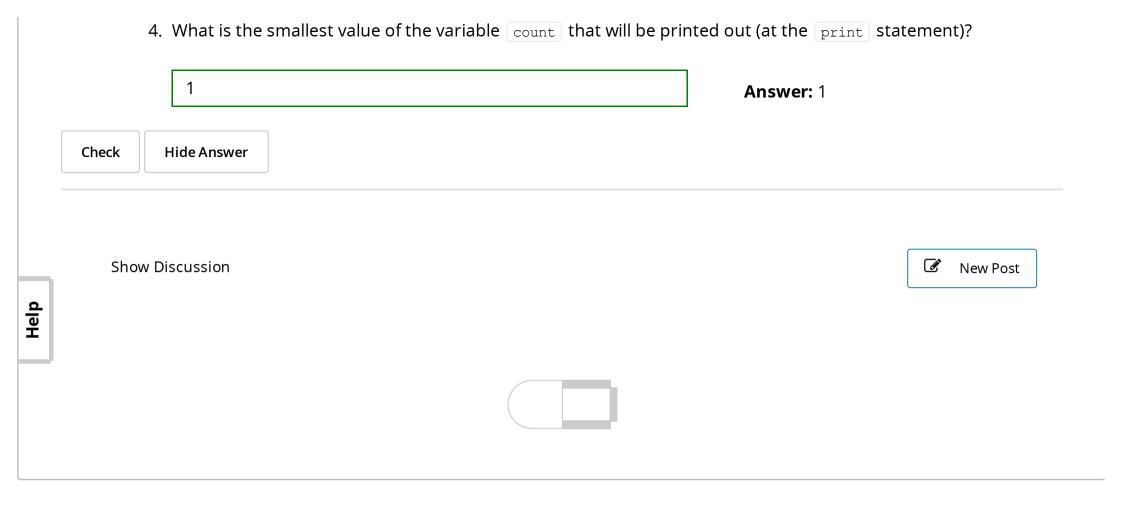
2. What is the value of the variable count that is printed out (at the print statement) on iteration 1?

24 **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? 60 **Answer:** 60 iteration = 0while iteration < 5: count = 0for letter in "hello, world": count += 1print "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 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 += 1if iteration % 2 == 0: break print "Iteration " + str(iteration) + "; count is: " + str(count) iteration += 1 1. How many times will the print statement be executed? 5 **Answer:** 5 2. What is the largest value of the variable <code>iteration</code> that will be printed out (at the <code>print</code> statement)? 4 Answer: 4 3. What is the largest value of the variable count that will be printed out (at the print statement)? 12 **Answer:** 12





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