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Exercise 5

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Exercise 5

5/5 points (graded)

ESTIMATED TIME TO COMPLETE: 7 minutes

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

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

This question is going to ask you what some simple loops print out. If you're asked what code like this prints:

```
num = 5
if num > 2:
    print(num)
    num -= 1
print(num)
```

write what it prints out, separating what appears on a new line by a comma and a space. So the answer for the above code would be:

5, 4

If a given loop will not terminate, write the phrase 'infinite loop' in the box.

Note: Using the 'range' built-in function

1.

```
num = 10
for num in range(5):
    print(num)
print(num)
```

0, 1, 2, 3, 4, 4



2.

```
divisor = 2
for num in range(0, 10, 2):
    print(num/divisor)
```

0.0, 1.0, 2.0, 3.0, 4.0



3.

```
for variable in range(20):
    if variable % 4 == 0:
        print(variable)
    if variable % 16 == 0:
        print('Foo!')
```

0, Foo!, 4, 8, 12, 16, Foo!



4.

```
for letter in 'hola':
    print(letter)
```

h, o, l, a



5.

```
count = 0
for letter in 'Snow!':
    print('Letter # ' + str(count) + ' is ' + str(letter))
```

```
count += 1
break
print(count)
```

Letter # 0 is S, 1









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Exercise 5

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	Cannot Access This Exercise.	2	
I cannot access or view the contents of this exercise. I'm getting this message : Could not format HTML for problem. Contact course...			
	Q1	2	
Hello, I wonder why we get 4 two times in the first question, thanks			
	Spoiler- Q2	3	
why are the quotients written as floats? I got a wrong answer when I wrote them as integers. Also, shouldn't 0/0 generate an error?			
	Question exercise 3 - no spoilers	6	
Hi, I can't understand the math that is meant to be followed in exercise 3. Could someone maybe explain step by step what this cod...			
	"String index out of range" error	3	
I am trying to submit my responses to the questions for lecture 2 exercise 5 but, when I try to submit I just get an error saying "string...			
	About Q1-Spoilers	5	
If I didn't understand wrong, in question we bound the variable (num) to 10. Then we used the expression "for num in range(5):" and ...			

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