L3 PROBLEM 3 (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. You'll learn the most this way, by figuring things out, instead of just running the code and reading off the answers.

```
myStr = '6.00x'

for char in myStr:
    print char

print 'done'
```

1. How many times does 6 print out?

1   **Answer:** 1

2. How many times does . print out?

1   **Answer:** 1

3. How many times does `0` print out?

2

Answer: 2

4. How many times does `x` print out?

1

Answer: 1

5. How many times does `done` print out?

1

Answer: 1

```python
greeting = 'Hello!'
count = 0

for letter in greeting:
    count += 1
    if count % 2 == 0:
        print letter
    print letter

print 'done'
```

1. How many times does `H` print out?

1

Answer: 1

2. How many times does `e` print out? Disregard the letters in the word done.

2

Answer: 2

3. How many times does `l` print out?

> 3

Answer: 3

4. How many times does `o` print out? Disregard the letters in the word done.
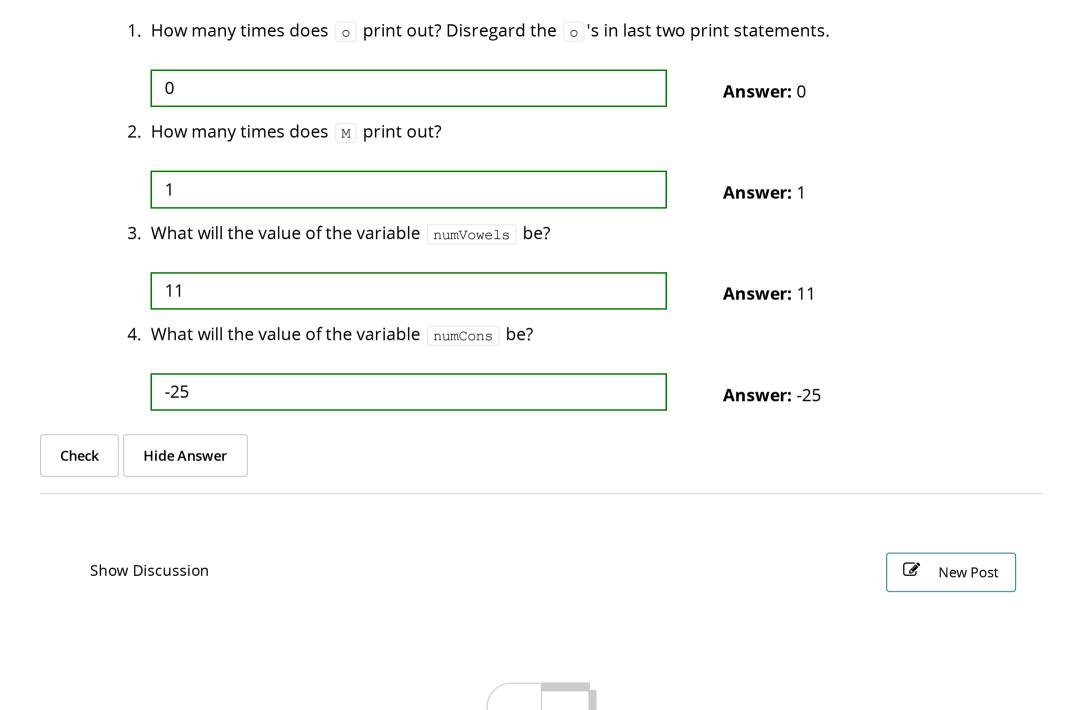
> 1

Answer: 1

5. How many times does `!` print out?

> 2

Answer: 2

6. How many times does `done` print out?

> 1

Answer: 1

```python
school = 'Massachusetts Institute of Technology'
numVowels = 0
numCons = 0

for char in school:
    if char == 'a' or char == 'e' or char == 'i' \
       or char == 'o' or char == 'u':
        numVowels += 1
    elif char == 'o' or char == 'M':
        print char
    else:
        numCons -= 1

print 'numVowels is: ' + str(numVowels)
print 'numCons is: ' + str(numCons)
```

1. How many times does `o` print out? Disregard the `o`'s in last two print statements.

0

Answer: 0

2. How many times does `M` print out?

1

Answer: 1

3. What will the value of the variable `numVowels` be?

11

Answer: 11

4. What will the value of the variable `numCons` be?

-25

Answer: -25

Check   Hide Answer

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