22C:16 (CS:1210) Quiz 1

You have 20 minutes to complete this quiz.

1. This is our first Python program, `intToBinary1.py`. What output does it produce for input 22?

```python
n = int(raw_input("Type a nonnegative integer. "))
while n > 0:
    print n%2
    n = n/2
```

2. Consider the following program. What output does it produce for input 58063?

```python
number = int(raw_input("Enter a number: "))
while number > 0:
        number = number / 10
        print number % 10
```

3. Consider the following program. What output does it produce?

```python
n = 101
while n > 0:
    n = n / 5
    print n
```

4. I want to write a program that reads a positive integer, say n, and prints all even numbers that are less than n, starting with the even number 2. I would also like the numbers to appear in increasing order. So for example if the input is 11, then the output of my program should be

```
2
4
6
8
10
```

Here is my attempt at writing this program. The program has 3 errors. Fix the errors and rewrite the program in the space given below

```
n = raw_input("Enter a positive integer: ")
counter = 0
while n > counter:
    print count
    counter = counter + 2
```