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 19?

```
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 5863?

```
number = int(raw_input("Enter a number: "))
placeValue = 1000
while number > 0:
        print number / placeValue
        number = number % placeValue
        placeValue = placeValue / 10
```

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

```
n = 21
while n > 0:
    print n
    n = n - 1 - n % 5
```

4. I want to write a program that reads a positive integer, say n, and prints all whole numbers from n down to 1. So for example if the input is 5, then the output of my program should be

```
5
4
3
2
1
```

Here is my attempt at writing this program. The program has 2 errors. Fix the errors and rewrite the program in the space given below

```
n = raw_input("Enter a positive integer: ")
while n > 0:
    n = n - 1
    print n
```