

## 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 21?

```
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 3691?

```
number = int(raw_input("Enter a number: "))
while number > 0:
    print number % 100
    number = number / 10
```

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

```
n = 21
while n > 0:
    print n
    n = n/3 + n%2
```

4. I want to write a program that reads a positive integer, say  $n$ , and prints all whole numbers from  $n$  down to 0. So for example if the input is 5, then the output of my program should be

5  
4  
3  
2  
1  
0

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: ")
while n > 0:
    print n
    n = n + 1
```

---