Lab 08: Integer Counter

Instructions: Design and Implement an application that reads an arbitrary number of integers that are in the range of 0 to 100 inclusive and count how many occurrences of each are entered. After all input has been processed, print all of the values (with the number of occurrences) that were entered one or more times. (In other words, if a number was not encountered do not print it.)

Implement the following classes/function:

```
class IntegerCount {
    public void account(int val);
    public void getOccurrences(int val);
    public void print();
}
```

Input:

For this exercise input will be generated by the junit test cases. Although, you are free to make a main function that receives input from the keyboard.

Output:
(Note only output a line IF there are more than 0 occurrences of a number, see example.)

1: <number of occurrences of 1, if > 0>
2: <number of occurrences of 2, if > 0>
...
100: <number of occurrences of 100, if > 0>

Example Input 1:

1 40 1 40 40

Example Output 1:

1: 2
40: 3

Example Input 2:

0 5 -4 101 5

Example Output 2:

0: 1
5: 2

Write some test cases:
Create some test cases that you believe would cover all aspects of your code.

How to turn in:
Turn in via GitHub. Ensure the file(s) are in your lab08 directory and push via IntelliJ (VCS ↑) OR use the command line:

- $ git add <files>
- $ git commit
- $ git push

Due Date: October 6, 2015 2359

Teamwork: No teamwork, your work must be your own.