

CS 152

Computer Programming Fundamentals

Quiz 9

Brooke Chenoweth

University of New Mexico

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What's wrong?

```
public class Foo {  
    public static void main(String[] args) {  
        int n = 16;  
  
        if(n > 0) {  
            System.out.print(n + " ");  
            n /= 2;  
        }  
        System.out.println();  
    }  
}
```

Was supposed to print 16 8 4 2 1
but only prints 16

If statement is not a loop!

```
public class Foo {  
    public static void main(String[] args) {  
        int n = 16;  
        while(n > 0) {  
            System.out.print(n + " ");  
            n /= 2;  
        }  
        System.out.println();  
    }  
}
```

If you prefer a for loop

```
public class Foo {  
    public static void main(String[] args) {  
        for(int n = 16; n > 0; n /= 2) {  
            System.out.print(n + " ");  
        }  
        System.out.println();  
    }  
}
```