

Well Read  
10/18/2016

1. (3 pts) Describe what each of the loops below print? **READ CAREFULLY!!!**

1.1. 

```
for(int i = 0; i < 5; i++)  
    cout << i << endl;
```

~~0\n1\n2\n3\n4\n~~ 0\n1\n2\n3\n4\n ✓

1.2. 

```
int i = 0, x = 0;  
for(i = 0; x < 10; i++)  
    cout << i << endl;
```

x will never be >= 10

~~0\n1\n2\n3\n4\n5\n6\n7\n8\n9\n~~

incrementing i followed by \n forever ✓

1.3. 

```
for(int i = 0; i < 8 && i > 0; i++)  
    cout << i << endl;
```

No output ✓

2. (5 pts) Convert the following for loop into a while loop. Be VERY careful about what you write for the syntax!!!

```
for(int i = 0; i <= 10; i++)  
    cout << i*10 << endl;
```

0 10 20 30 .. 100

```
int i = 0;  
while (i <= 10) {  
    cout << 10 * i << endl;  
    i = i + 1;  
}
```

 ✓

3. (2 pts) What will the following code print? Explain why.

```
int choice = 2;  
if(choice != 1 || choice != 2) ↓  
    cout << "yes" << endl;  
else  
    cout << "no" << endl;
```

yes\n ✓

4. (2 pt) Extra Credit: What will the following code print? Explain why for credit:

```
int n = 6;  
if(n > 3) { TRUE  
    int n = 4;  
    cout << n-- << endl;
```

```
}  
for(int n = 0; n < 1; n++)  
    cout << n << endl;  
    cout << n << endl;
```

4\n  
0\n  
6\n

Post decrement n's, then decrements

scope function defined in for no braces on for, resulting in outer scope, where n = 6. ✓