**Single and Nested Loops**

In parts 1 and 2 of this lab, I’ve constructed a few loops. Figure out what each loop below does. *You do not need to turn in code or anything else for parts 1 or 2, just call me over to show me your work*

**Part 1**

*// what output does this loop produce?*

for (int i = 0; i <= 3; i++) {

System.out.println(i);

# }

*// and this set of loops?*

for (int i = 0; i < 3; i++) {

for (int j = i; j >= 0; j--) {

System.out.println( i + " " + j);

}

}

*// how about this set of loops?*

int n;

for (int i = 1; i <= 2; i++) {

n = i + 2;

for (int j = n; j <= 7; j += n) {

System.out.println(j);

}

System.out.println(n);

## }

**Part 2**

***// loop 0***

for (int i = 0; i < 10; i++) {

System.out.print( "\*" );

}

***// loop 1***

for (int i = 0; i < 3; i++) {

for (int j = i; j >= 0; j--) {

System.out.println( i + " " + j);

}

}

***// loop 2***

int n;

for (int i = 1; i <= 2; i++) {

n = i + 3;

for (int j = n; j <= 10; j += n) {

System.out.println(j);

}

System.out.println(n);

}