

COMP 110/L
Fall 2022

Lecture 14 Handout

1.) What is the output of the following code?

```
int temp = 0;
while (temp < 5) {
    System.out.println(temp);
    temp++;
}
```

2.) What is the output of the following code?

```
for (int x = 4; x < 7; x++) {
    System.out.println(x);
}
```

3.) What is the output of the following code?

```
int small = 1;
int big = 5;
while (small <= big) {
    System.out.println(big - small);
    small++;
    big--;
}
System.out.println(small);
System.out.println(big);
```

4.) For each of the following loops, write down the number of times the loop will iterate, or "infinite" if the loop iterates an infinite number of times.

4.a.) `for (int x = 0; x < 3; x++) {}`

4.b.)

```
int x = 5;
int y = 5;
while (x == y) {
    x++;
    y++;
}
```

4.c.) `for (int x = 10; x > 6; x--) {}`

4.d.) `for (int x = 0; x != 0; x++) {}`

5.) Write a method named `printTimes`, which will print a given string a given number of times. For example, `printTimes("foo", 3)`; will have the following output:

```
foo
foo
foo
```

As a hint, the signature of `printTimes` is below.

```
public static void printTimes(String toPrint, int times) {
```