Quiz 2

• Monday, October 27
• About 30 minutes
• Everything up to Section 4.x
  – Focus on Chapter 3 and first part of chapter 4, especially loops and calling methods
• Review lab, programming assignment, and coding standard also.
Convert the following for loop to a while loop

```java
for (int i = 20; i < 100; i+=2 ) {
    System.out.println( i * 3 );
}
```
Convert the following while loop to a for loop

```java
int sum = 0;
int i = 30;
while ( i > 0 ) {
    sum += i;
    i = i - 3;
}
```
Assume that you have a int variable `month` whose value corresponds to the month of the year (1 = January, 2 = February, ..., 12 = December).

Write a switch statement that checks the value of `month`, as does the following:

- If `month` is January, March, May, July, August, October, or December, print "31 days"
- If `month` is April, June, September, or October, print "30 days"
- If `month` is February, print "28 or 29 days"
- Otherwise, print "That's not a month"
What is printed by the following program fragment?

```java
int sum = 0;
int i = 10;
while (i > 0) {
    sum += i;
    i = i - 3;
}
System.out.println("The sum is " + sum);
```
What is printed by the following program fragment?

```java
int i;
for (i = 0; i < 12; i++) {
    if ((i % 4) == 0)
        System.out.print(i + " ");
}

System.out.println();
System.out.println("i = " + i);
```
What is printed by the following program?

class Quiz3Example {
    public static void main( String[] args ) {
        int firstNum = 3;
        int secondNum = 5;
        int answer;

        answer = mystery(firstNum * secondNum, secondNum - 2);
        System.out.println("The answer is: " + answer);
    }

    static int mystery( int p1, int p2 ) {
        return p1 + p2;
    }
}
What is printed by the following program fragment?

```java
for (int i = 0; i < 3; i++) {
    for (int j = 0; j <= i; j++) {
        System.out.print("Here ");
    }
    System.out.println("There");
}
```