Reading

- Reading question for Chap 6 due today
- Next week:
  - Chap 7: 7.1, 7.5-7.7. Topics 7.3 and 7.4 (3rd ed)
  - Chap 8: 8.1, 8.5-8.7. Topics 6.3 and 6.4 (2nd ed)

News

- Midterms returned before break
  - get yours after class if you didn’t already

Recap: While Loop Example

```java
public class WhileDemo {
    public static void main(String[] args) {
        int limit = 3;
        int counter = 1;
        while (counter <= limit) {
            System.out.println("The square of " + counter + " is " + (counter * counter));
            counter = counter + 1;
        }
        System.out.println("End of demonstration");
    }
}
```

Recap: Do Loop Example

```java
public class DoDemo {
    public static void main(String[] args) {
        int limit = 3;
        int counter = 1;
        do {
            System.out.println("The square of " + counter + " is " + (counter * counter));
            counter = counter + 1;
        } while (counter <= limit);
        System.out.println("End of demonstration");
    }
}
```

Recap: Do Statement

- Body always executed at least once
- Order of four things can change, but need them all

Practice Problem

- Write program using loop to simulate flipping a coin one million times
  - keep track of how many times it’s heads up and how many heads down
  - print results
  - Make version for each loop type
    - while, for, do