1. Look up Program 1.2.5. RandomInt.java (p.33)

Web Exercise 1.3.1. Write RollDie.java to simulate the toss of a fair six-sided die. Use casting to get a random integer, as in RandomInt.java.

```java
public class RollDie {
    public static void main(String[] args) {
        // how many sides on the die?
        // roll should be 1 through SIDES
        int roll = ____________________________;
        // print result
    }
}
```

2. Look up Program 1.3.1. Flip.java (p.49)

Web Exercise 1.3.2. Write RollLoadedDie.java to simulate the toss of a loaded six-sided die where where the 1, 2, 3, 4, and 5 appear with probability 1/8 and 6 appears with probability 3/8. Use if - else as in Flip.java (but there will be more choices).

```java
public class RollLoadedDie {
    public static void main(String[] args) {
        // generate random double in the range [0.0, 1.0)
        // compute the roll with desired probabilities
        int roll;
        if (__________________________) roll = _______;
        else if (____________)
        else if (________)
        else if (______)
        else
        // print the roll
    }
}
```
3. Find **PowersOfTwo.java** in your book or on the website. It uses a `while` loop. Rewrite it to use a `for` loop. (answer on p. 57)

```java
/*
 *
 */
public class PowersOfTwo {
    public static void main(String[] args) {

    }
}
```

4. Write **FiniteSum.java** which takes one integer command-line argument `N`, and prints the sum $(1 + 2 + \ldots + N)$. (Answer on p.57)

```java
/*
 *
 */
public class FiniteSum {
    public static void main(String[] args) {

    }
}
```

- Recommended Exercises: 1.3.7, 1.3.13, 1.3.20