Ryan, a diligent CS61B student, was trying to submit HW1 when his computer crashed. Upon rebooting, he discovered that some portions of his code had disappeared! Help Ryan fix his homework so that he can turn it in on time.

```java
public class Adder {

    /** Adds the range of numbers from 1 to N recursively.
     * @param N range of numbers being added
     * @return sum of numbers in range
     */
    public static int addRange(int N) {
        // Base case

        // Recurse!
    }
}
```
2 Fibonacci Numbers

The next problem took Ryan several days, but he only has an hour until his homework is due. Help him out! Note that you will need to write both the method header and body for the three methods below. The first method header is provided for you.

```java
/** The Fibonacci sequence is 0, 1, 1, 2, 3, 5, 8, 13, 21, ... */
public class Fibonacci {
    public static int fib1(int N) {
        // fib1(N) is the Nth Fibonacci number, for N ≥ 0. That is, fib1(0) = 0,
        // fib1(1) = 1, fib1(2) = 1, etc. fib1(N) is tree recursive. */
    }

    /** fib2(N, K, F0, F1) is the Nth Fibonacci number, assuming that F0 and
     * F1 are the (K−1)th and Kth Fibonacci numbers, 1 ≤ K ≤ N. Thus,
     * fib2(N, 1, 0, 1) is simply the Nth Fibonacci number.
     * Hint: This method is also recursive, but runs faster than fib1 does.
     * Make sure the relationship between K, F0, and F1 is never broken. */

    /** fib3(N) is the Nth Fibonacci number, for N ≥ 0. fib3(N) is
     * iterative. */
```