**More on Methods.** Scope of parameters. Executing a call. Conditional statements. Blocks. The return statements. Read section 2.3 for this lecture and the next.

**Rsrecah on spleilng**

According to a research at Cambridge University, it doesn't matter in what order the letters in a word are, the only important thing is that the first and last letter be at the right place. The rest can be a total mess and you can still read it without problem. This is because the human mind does not read every letter by itself, but the word as a whole.
Last time: Saw that the body of a procedure is a sequence of statements, which are executed in order when the method is called

/** Print b, c, and their sum */
public static void print(int b, int c) {
  System.out.println( b);
  System.out.println(c);
  System.out.println(b + c);
}

/** Print b, c, and their sum */
public static void print(int b, int c) {
    System.out.println(b);
    System.out.println(c);
    System.out.println(b + c);
}

Parameters b and c are variables. They are created when the method is called and destroyed when the method call is finished.

The scope of a parameter --the places where it can be referenced or used, is the method body itself.

/** Print b */
public static void print (int b) {
    System.out.println(b);
}

/** Print b, c, and their sum */

```java
public static void print(int b, int c) {
    System.out.println(b);
    System.out.println(c);
    System.out.println(b + c);
}
```

**How is a call like this executed?**  
print(5, 6)?

Step 1: create the parameters (variables).
Step 2: assign the arguments to the parameters.
Step 3: execute the method body.
Step 4: erase the parameters.
/** Print b, c, and their sum */

public static void print(int b, int c) {
    System.out.println(b);
    System.out.println(c);
    System.out.println(b + c);
}

How is a call like this executed? print(5, 6)?

Step 1: create the parameters (variables).
Step 2: assign the arguments to the parameters.
Step 3: execute the method body.
Step 4: erase the parameters.
/** Print b, c, and the sum of their squares */
public static void print(int b, int c) {
    System.out.println(b);
    System.out.println(c);
    printSum(b*b, c*c);
}

/** Print x + y */
public static void printSum(int x, int y) {
    System.out.println(x+y);
}