```
Procedure specifications
    /** Javadoc comment */
    <method header> {
        ...
     }
/** Set the title to t. */
```

```
public void setTitle(String t)
  {...}
```

1. The spec explains what each parameter is for (so, it must mention all of them).

2. The spec is a *command* to do something.

setTitle("I want peace");
Set the title to "I want peace";

Function specifications

```
/** Return true if a, b, and c are;
in ascending order. */
public static boolean areAscending(
    int a, int b, int c) {
    return a < b && b < c;
}
```

A function call produces a value.

The function spec should say what the functioncall value equals.

Constructor specifications

/** Constructor: a new instance with
 chapter number n, chapter title
 t, and previous chapter null
 */
public Chapter(int n, String t)
 {...}

Good specifications

•Written before the method body

•Accurate and complete

• Include preconditions —constraints on the parameters that must be satisfied in a call, constraints that the caller must be aware of.

/** = the square root of r.
 Precondition: r >= 0. */
public double sqrt(double r)
 { ... }

Changing the spec

- 1. Change the specification to say what the method will now do.
- 2. Change the body to keep the specification accurate.