What is Javadoc?

Javadoc is a way to comment your code that enables automatic generation of web pages that document your code.

Why use Javadoc?

- It's much faster than generating web pages documenting your code.
- It's standard documentation which means it's easy to use and the structure is given.
Writing Javadoc Comment

```java
package tipgame;
/**
 * Used to enable timed events.
 * @author Jam Jenkins
 */
public interface Alarm {
    /** creates alarm */
    public void alarm();
}
```

Commenting a Class

- Put the comment immediately before the class declaration.
- Briefly describe the purpose of the class in 2-3 sentences.
- Optionally include
  - @author tag
  - @version tag
  - others

```
public class Keyboard implements

/**
 * This class uses polling rather
 * than events for keyboard input.
 * @author Jam Jenkins */

public class Keyboard implements
```
Commenting a Method

/** Simulates the surface normal used for * bouncing the moving object off of the * stationary object. Normal is in the * direction from the surface of the * stationary object to the center of the * moving shape’s bounding box. * * the object not in motion * the object that will bounce * of the stationary object * the radians of the normal vector */

public static double getNormalVector(Shape stationary, Shape moving)
Generating HTML using the Javadoc Tool in Eclipse

1. Highlight the project you want to javadoc in the Project Explorer
2. Select File->Export->Javadoc
3. Under the ‘Javadoc command:’ enter the location of javadoc if it is not already there. The location should be something like: C:\Program Files\Java\jdk1.5.0\bin\javadoc.exe
4. For the ‘visibility’ select Private
5. Select ‘Use Standard Doclet’
6. For the ‘Destination’, enter where you want the html code generated to go. The html in the location you choose will be overwritten with the javadoc generated HTML, so make sure not to choose a place which already has an index.html you’d like to keep.
7. Click on ‘Finish’
8. If you get the source files out of sync with file system error then say okay, highlight your project, right click and select refresh. This will resync your files. Repeat the instructions above.

Practice

- Put Javadoc comments in one of the previous homework assignment's source code.
- Generate the javadoc HTML files
- Post the HTML files to your web site. When transferring the files, be sure to transport them into an empty directory. DO NOT transfer them directly into your public_html page because this will overwrite your index.html. Instead transfer them into a subdirectory of public_html.