

# JAVA DOCS



## Javadoc

- Documentation generator from Sun
- Generates API documentation in HTML format
- The "doc comments" format is de facto industry standard

## Doc Comments

- Example:

Doc comment:

A red circle highlights the doc comment syntax `/**` on the first line and `*/` on the third line. The text `Doc comment` is written in blue next to the circle.

```
/**  
 Doc comment  
*/
```

Regular comment:

```
/*  
    block comment  
*/  
  
// inline comment
```

## Structure of a Javadoc Comment

- Embedded in `/**` `*/`
- First paragraph .. general description
- Tags that label / classify the description
  - `@param` ... parameters of the method
  - `@return` ... return value of a method
  - `@throws` ... exceptions the method may throw
  - `@author` ... who wrote the class / interface
- Placed immediately before the code that is described

# ITMD 510

## Example 1:

```
/**  
 * Some text descing MyClass  
 *  
 * @author John Smith  
 * @version 6.0 Build 9000 Jan 7, 2003.  
 */  
public class MyClass  
{  
    // code  
}
```

Optional general description first

Tags that label special types of information

Immediately followed by the code that is described

# ITMD 411

## Example 2:

```
/**  
 * Short one line description.  
 *  
 * If there is a longer description, this is  
 * where it would go  
 *  
 * @param describes of the parameter  
 * @return description of the return type  
 */  
public int myMethod (String word)  
{ . . . }
```

Optional general description first

Short one line description.

If there is a longer description, this is where it would go

@param describes of the parameter

@return description of the return type

Tags that label special types of information

## WHY use Javadoc?

- + Minimizes effort of creating a documentation
- + Makes it easier to keep the documentation up-to-date
- + Make using third-party classes (incl. Java API) easier  
because everything is documented the same way
- + Allows you to hyperlink related documents together

## ■ Generating Java Docs

```
Loading source file C:\Users\Administrator\workspace\Javadoc\src\AddNum.java...
Constructing Javadoc information...
Standard Doclet version 1.8.0_73
Building tree for all the packages and classes...
Generating C:\Users\Administrator\workspace\Javadoc\doc\AddNum.html...
Generating C:\Users\Administrator\workspace\Javadoc\doc\package-frame.html...
Generating C:\Users\Administrator\workspace\Javadoc\doc\package-summary.html...
Generating C:\Users\Administrator\workspace\Javadoc\doc\package-tree.html...
Generating C:\Users\Administrator\workspace\Javadoc\doc\constant-values.html...
Generating C:\Users\Administrator\workspace\Javadoc\doc\class-use\AddNum.html...
Generating C:\Users\Administrator\workspace\Javadoc\doc\package-use.html...
Building index for all the packages and classes...
Generating C:\Users\Administrator\workspace\Javadoc\doc\overview-tree.html...
Generating C:\Users\Administrator\workspace\Javadoc\doc\index-files\index-1.html...
Generating C:\Users\Administrator\workspace\Javadoc\doc\index-files\index-2.html...
Generating C:\Users\Administrator\workspace\Javadoc\doc\deprecated-list.html...
Building index for all classes...
Generating C:\Users\Administrator\workspace\Javadoc\doc\allclasses-frame.html...
Generating C:\Users\Administrator\workspace\Javadoc\doc\allclasses-noframe.html...
Generating C:\Users\Administrator\workspace\Javadoc\doc\index.html...
Generating C:\Users\Administrator\workspace\Javadoc\doc\help-doc.html...
```



# Questions ??????????