

Java Documentation Comments

Introduction

```
/**  
    documentation  
*/
```

- This is a documentation comment and in general its called **doc comment**.

What is Javadoc?

- The **JDK javadoc** tool uses *doc comments* when preparing automatically generated documentation.
 - in HTML format from Java source code which has required documentation in a predefined format.
- API documentation is the result of running javadoc on the source code of the standard Java Library.
- Advantages:
 - Professional-looking documentation
 - Code and documentation comments are in the same file

Comment Insertion

- Javadoc utility extracts information for
 - Packages
 - Public classes and interfaces
 - Public and Protected methods
 - Public and protected fields
- **Class Comments**
 - Class comment must be placed after any import statements, directly before the class definition.
- **Method Comments**
 - Each method comment must immediately precede the method that it describes.
 - @param variable description
 - @return description
 - @throws class description

- **Field Comments**

- Need to document public fields – generally static constants.
- {@value #STATIC_FIELD}

- **General Comments**

- @author name
- @version text
- @since text
 - Text - any description of the version that introduced this feature
- @deprecated text
 - @deprecated As of release 1.3, replaced by {@link #getPreferredSize()}
- @see reference
 - package.classname#feature label
 - @see mypack.Student#display()
 - label
 - @see CORE JAVA
 - Text
 - @see "CORE JAVA VOL 2"
- @link package.class#feature label //to place hyperlink

reference

Comment Extraction

- Javadoc -d F:\meghal AddNum.java