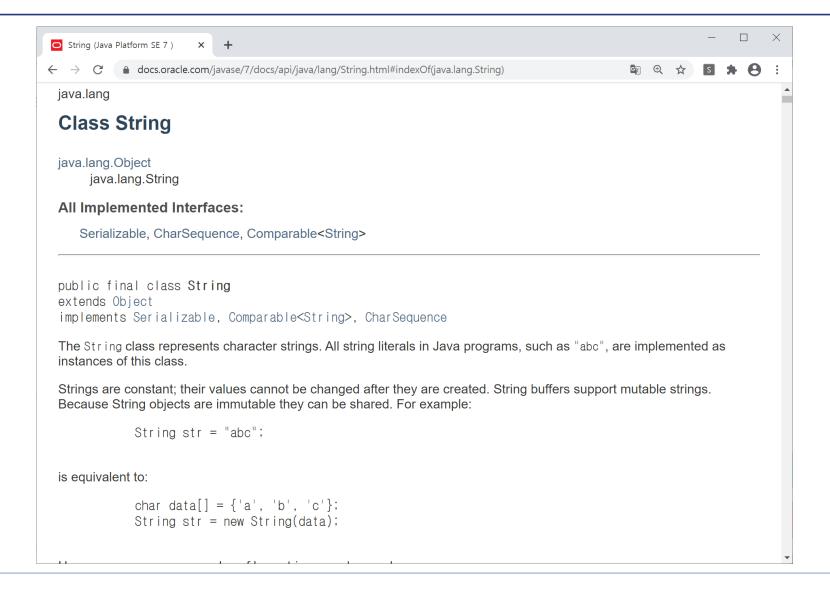
Java Documentation Comments

The javadoc Tags javadoc Tool

Java comments

- Java Comments
 - /* comments */
 - // line comment
 - /** Java documentation comment */
- Java Documentation Comment
 - allow you to embed information about your program into the program itself.
 - Documentation comments make it convenient to document your programs.
 - You can then use the javadoc utility program to extract the information and put it into an HTML file.

Java API Documentation



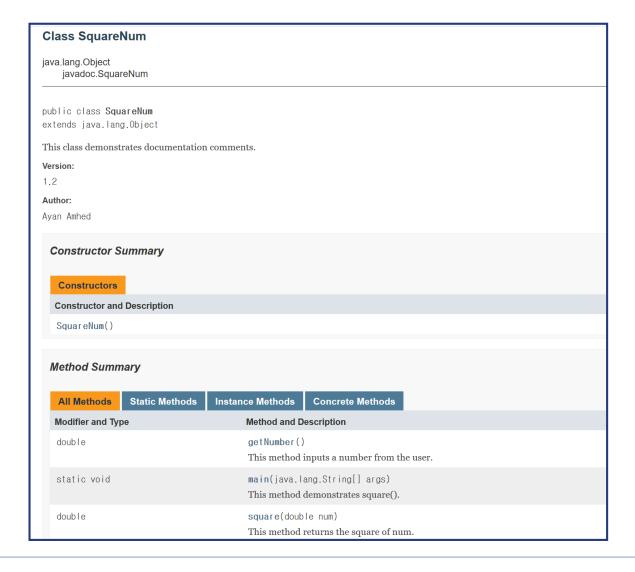
```
package javadoc;
import java.io.*;
/**
* This class demonstrates documentation comments.
* @author Ayan Amhed
* @version 1.2
public class SquareNum {
  * This method returns the square of num.
  * This is a multiline description. You can use
  * as many lines as you like.
  * @param num The value to be squared.
  * @return num squared.
  public double square(double num) {
    return num * num;
```

```
* This method inputs a number from the user.
* @return The value input as a double.
* @exception IOException On input error.
* @see l'OException
public double getNumber() throws IOException {
  InputStreamReader isr = new InputStreamReader(System.in);
  BufferedReader inData = new BufferedReader(isr);
  String str;
  str = inData.readLine();
  return (new Double(str)).doubleValue();
/**
* This method demonstrates square().
* @param args Unused.
* Omit @return for methods that return void and for constructors;
* @exception IOException On input error.
* @see l'OException
public static void main(String args[]) throws IOException
  SquareNum ob = new SquareNum();
  double val;
  System.out.println("Enter value to be squared: ");
  val = ob.getNumber();
  val = ob.šquare(val);
  System.out.println("Squared value is " + val);
```

How to use javadoc tool

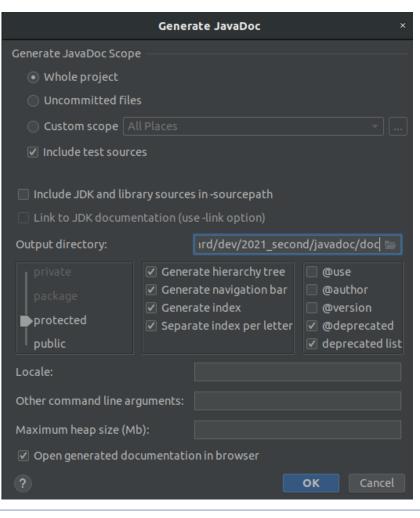
javadoc –d doc SquareNum.java

The Generated Documentation



Invoking javadoc in IntelliJ

❖ Tools – Generate JavaDoc ...



JavaDoc Tags: Summary

Tag & Parameter	Usage	Applies to
@author name	Describes an author.	Class, Interface, Enum
@version version	Provides software version entry. Max one per Class or Interface.	Class, Interface, Enum
@since since-text	Describes when this functionality has first existed.	Class, Interface, Enum, Field, Method
@see reference	Provides a link to other element of documentation.	Class, Interface, Enum, Field, Method
@param name description	Describes a method parameter.	Method
@return description	Describes the return value.	Method
@exception classname description @throws classname description	Describes an exception that may be thrown from this method.	Method

Doclet

- ❖ Doclets are programs written in the Java™ programming language that use the doclet API to specify the content and format of the output of the Javadoc tool.
- ❖ By default, the Javadoc tool uses the "standard" doclet to generate API documentation in HTML form.
- However, you can supply your own doclets to customize the output of Javadoc as you like
- New "Doclet API" to supersede the previous API, which was becoming increasingly difficult to update to support new language features (Since JDK 9)

References

- Java Documentation Comments from Tutorials Point
 - http://www.tutorialspoint.com/java/java_documentation.htm
- How to Write Doc Comments for the Javadoc Tool
 - http://www.oracle.com/technetwork/java/javase/documentation/index-137868.html
- Javadoc Tool
 - http://www.oracle.com/technetwork/java/javase/documentation/index-jsp-135444.html

Doclet Overview

 https://openjdk.java.net/groups/compiler/using-newdoclet.html