

Javadocs and UML



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Announcements

- Reminder – readings are due **before** lecture
- Help Sessions and Help Desks
 - Go to them! They make a difference
- **Next Week – Exam Module**
 - You need to work to have this module open so you can do your Exams
 - Catch up if you are behind!
 - Don't procrastinate!



<https://jefmenguin.com/procrastination/>

Javadoc

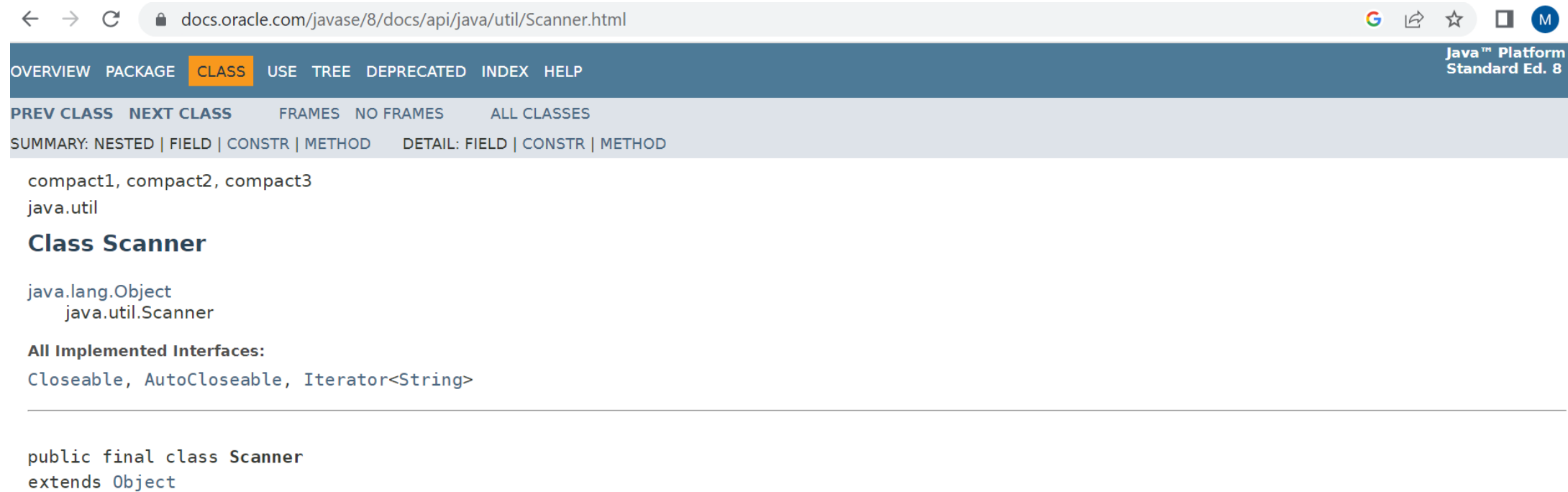
- Parses source code along with specially formatted comments to generate documentation.
- The documentation generated is known as an API (Application Programming Interface).
- Start with `/**` <enter>
- You will have
- `/**`
- `*`
- `*/`

Common block tags used in Javadoc comments.

Block tag	Compatibility	Description
@author	classes	Used to specify an author.
@version	classes	Used to specify a version number.
@param	methods, constructors	Used to describe a parameter.
@return	methods	Used to describe the value or object returned by the method.
@see	all	Used to refer reader to relevant websites or class members.

Javadoc

- <https://docs.oracle.com/javase/8/docs/api/java/util/Scanner.html>



The screenshot shows the Javadoc page for the `Scanner` class in the `java.util` package. The page is part of the Java Platform Standard Edition 8 documentation. The navigation bar includes links for OVERVIEW, PACKAGE, CLASS (highlighted), USE, TREE, DEPRECATED, INDEX, and HELP. Below the navigation bar, there are links for PREV CLASS, NEXT CLASS, FRAMES, NO FRAMES, and ALL CLASSES. The main content area shows the class hierarchy: `compact1, compact2, compact3` and `java.util`. The class name **Class Scanner** is prominently displayed. Below it, the inheritance path is shown: `java.lang.Object` and `java.util.Scanner`. The section **All Implemented Interfaces:** lists `Closeable`, `AutoCloseable`, and `Iterator<String>`. The class declaration is shown at the bottom: `public final class Scanner` extending `Object`.

← → ↻ docs.oracle.com/javase/8/docs/api/java/util/Scanner.html

Java™ Platform Standard Ed. 8

OVERVIEW PACKAGE **CLASS** USE TREE DEPRECATED INDEX HELP

PREV CLASS NEXT CLASS FRAMES NO FRAMES ALL CLASSES

SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

compact1, compact2, compact3
java.util

Class Scanner

java.lang.Object
 java.util.Scanner

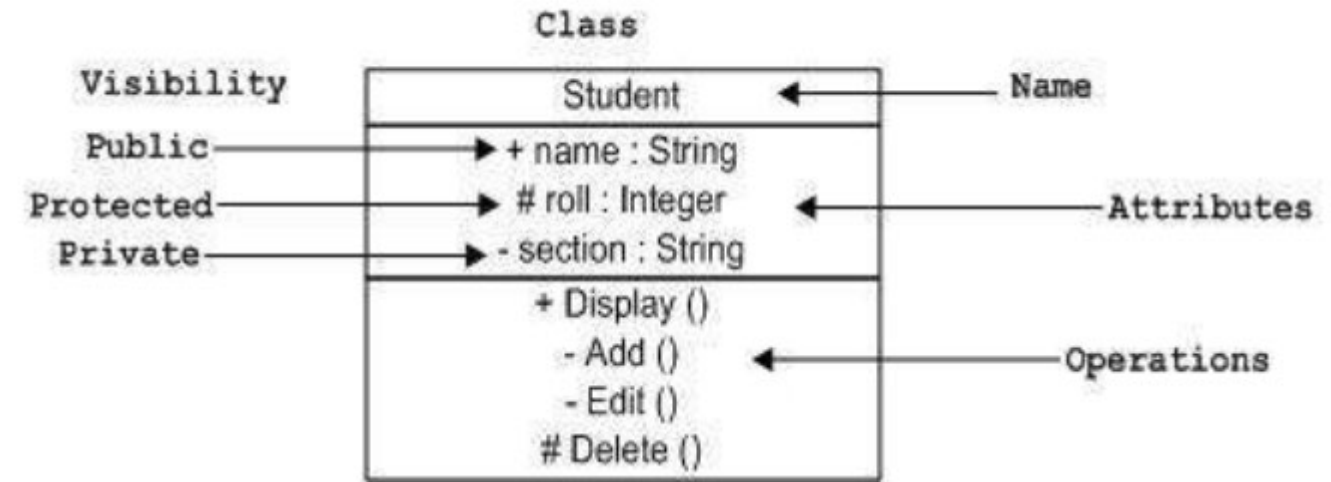
All Implemented Interfaces:
Closeable, AutoCloseable, Iterator<String>

public final class Scanner
 extends Object

UML

- UML (Unified Modeling Language)
 - is a standard language for specifying, visualizing, constructing, and documenting the artifacts of software systems

- Class Notation – Basics
 - Diagram is divided into three parts.
 - The top section is used to name the class.
 - The second one is used to show the attributes of the class.
 - The third section is used to describe the operations/methods performed by the class.



Worksheet

- Attendance for today's class will be a worksheet
- Each table will receive a worksheet
- Remember to write the name of all participants in your table in a legible way 😊