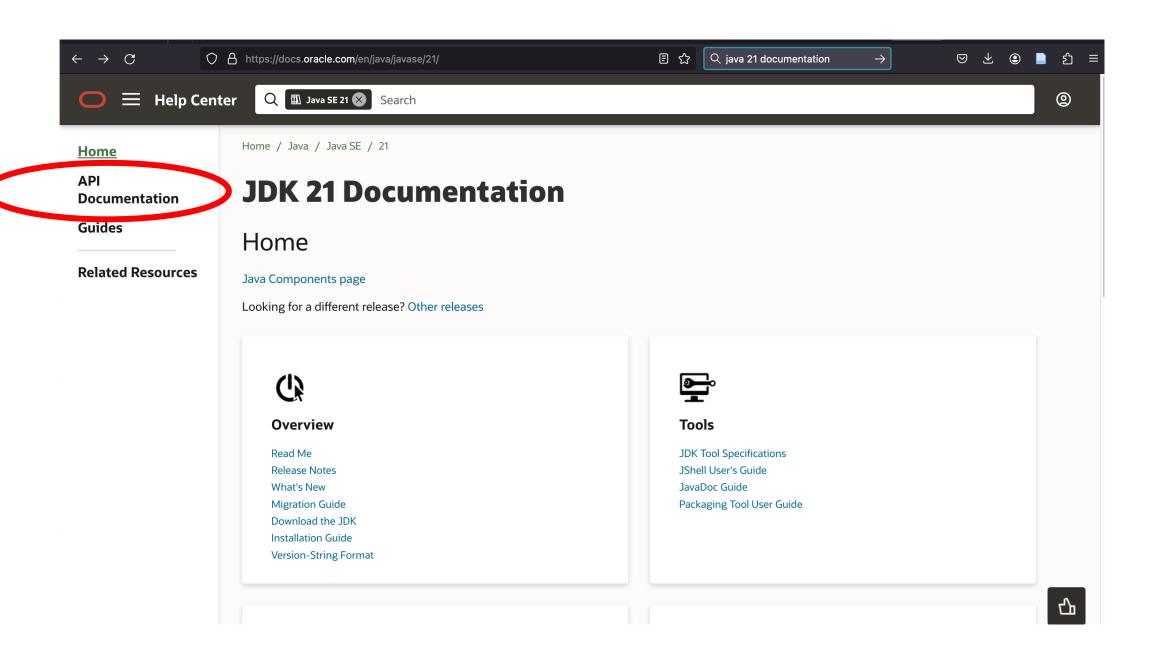
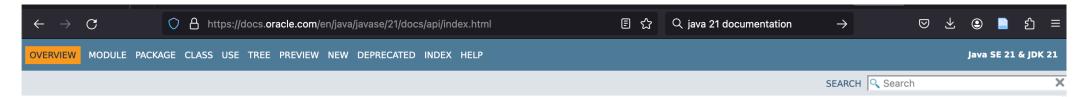
# Java SE API Documentation

## Find your documentation

- Search the internet for API documentation that matches your target JVM
  - \$ java -version
  - Example search string "java 21 documentation"





#### Java<sup>®</sup> Platform, Standard Edition & Java Development Kit Version 21 API Specification

This document is divided into two sections:

Java SE

The Java Platform, Standard Edition (Java SE) APIs define the core Java platform for general-purpose computing. These APIs are in modules whose names start with java.

JDK

The Java Development Kit (JDK) APIs are specific to the JDK and will not necessarily be available in all implementations of the Java SE Platform. These APIs are in modules whose names start with jdk.

All Modules Java SE JDK	Other Modules
Medule	Description
java.base	Defines the foundational APIs of the Java SE Platform
java.compiler	Defines the Language Model, Annotation Processing, and Java Compiler APIs.
java.datatransfer	Defines the API for transferring data between and within applications.
java.desktop	Defines the AWT and Swing user interface toolkits, plus APIs for accessibility, audio, imaging, printing, and JavaBeans.
java.instrument	Defines services that allow agents to instrument programs running on the JVM.
java.logging	Defines the Java Logging API.
java.management	Defines the Java Management Extensions (JMX) API.
java.management.rmi	Defines the RMI connector for the Java Management Extensions (JMX) Remote API.
java.naming	Defines the Java Naming and Directory Interface (JNDI) API.
java.net.http	Defines the HTTP Client and WebSocket APIs.
java.prefs	Defines the Preferences API.

## Using the Documentation

- Select the java.base module
- (Scroll down) Select the java.net package
- The Javadoc for each package includes
  - A package overview
  - Links to package interfaces, classes, and exceptions
    - You can click through to see details of fields and methods

### Exercise

- 1. Give the constructor for creating a client-side socket with hostname and port. (Give the class name and parameter list)
- 2. Give the method so a server-side socket can listen for in-coming connections.
- 3. What object is returned by the method in Q2?