

Emacs Support for Java 🚧

Description	Keystroke	Function	Note	
Java Programming Language Support	Emacs has built-in support for Java. The java-mode is one of the cc-modes. Emacs 30 and later also provides the tree sitter java-ts-mode.			
See also: <ul style="list-style-type: none"> 🔗 Customize 				
Open this PDF file. See also: 🔗 Help/Info	<f11> SPC J <f1> <f12> <f1>	(pel-help-pdf &optional OPEN-WEB-PAGE)	Open the 🔗 - Java local PDF. If the prefix argument (like C-u or M--) is used, then it opens the remote GitHub hosted raw PDF instead. If the pel-flip-help-pdf-arg user-option is set it's the other way around.	
🔗 Customize PEL Java support	<f11> SPC J <f2> <f12> <f2>	(pel-customize-pel &optional OTHER-WINDOW)	Customize PEL Java support: pel-use-java <ul style="list-style-type: none"> If OTHER-WINDOW is non-nil (use C-u), display in another window. 	
🔗 Customize Emacs Java support	<f11> SPC J <f3> <f12> <f3>	(pel-customize-library &optional OTHER-WINDOW)	Customize Emacs Java support: java, c <ul style="list-style-type: none"> If OTHER-WINDOW is non-nil (use C-u), display in another window. 	
See also: <ul style="list-style-type: none"> 🔗 Menus 🔗 Speedbar 	<div> <div>🚧 PEL currently provides basic support which includes:</div> <ul style="list-style-type: none"> Support for the <f12> key prefix to the key bindings usually available to the Lisp-like programming languages. Basic iMenu Support Speedbar Support </div> <div> <ul style="list-style-type: none"> PEL does not currently implement any specialization to the commands and key bindings for Janet. This will be provided later once more testing is done with the external packages listed above. Please do not hesitate to contact me if you'd like something added, modified or find a bug. </div>			

Java & Emacs Reference

Java Language	<ul style="list-style-type: none">• Java programming language @ Wikipedia• Java Versions @ Wikipedia• Java Editions @ Wikipedia• JRE, Java Runtime Environment @ Wikipedia			
JDK: Java Development Kit	<ul style="list-style-type: none">• OpenJDK : Open Java Development Kit• OpenJDK @ Wikipedia<ul style="list-style-type: none">• OpenJDK Builds @ Wikipedia<ul style="list-style-type: none">• Eclipse Adoptium : Temurin @ Wikipedia• Eclipse Adoptium Temurin @ home		Long Term Support (LTS) versions of JDK: <ul style="list-style-type: none">• Java 8 (LTS)• Java 11 (LTS)• Java 17 (LTS)• Java 21 (LTS)• Java 25 (LTS)	
• Install JDK	<ul style="list-style-type: none">• Installing on macOS:<ul style="list-style-type: none">• with Temurin• with homebrew	<ul style="list-style-type: none">• Eclipse Temurin provides a free and open source implementation of the OpenJDK, provides several versions (including 25) and is well trusted. It provides a macOS installer. Several versions can be installed.• On a Apple ARM architecture system, it installs Eclipse Temurin 25+36-LTS to <code>/Library/Java/JavaVirtualMachines/temurin-25.jdk</code>• Executing 'java --version' prints:<div>openjdk 25 2025-09-16 LTS OpenJDK Runtime Environment Temurin-25+36 (build 25+36-LTS) OpenJDK 64-Bit Server VM Temurin-25+36 (build 25+36-LTS, mixed mode, sharing)</div>		
		<ul style="list-style-type: none">• Installing on Linux:<ul style="list-style-type: none">• Eclipse Temurin also supports Linux.<ul style="list-style-type: none">• The installation depends on your Linux distribution. The site provides a tarsal file and instructions to use the various package managers.• Depending on your distribution the package manager provided package may not support the latest JDK version.		
	<ul style="list-style-type: none">• Using multiple JDK versions	It is possible to install several JDK inside a system.		
		<ul style="list-style-type: none">• Select the JDK to use by setting the JAVA_HOME environment variable to the absolute path of the /Contents/Home sub-directory of the selected JDK directory.• For example, on macOS, set JAVA_HOME to <code>/Library/Java/JavaVirtualMachines/temurin-21.jdk/Contents/Home</code> to select version 21 of Temurin if there are multiple versions installed. If there is only one version that version is used even if there is no JAVA_HOME environment variable set. If there are several versions installed and no JAVA_HOME, <i>it seems</i> that the latest is used.		
Query Java support	Tool from USRHOME	<ul style="list-style-type: none">• info-java prints information related to Java environment available to the shell.• use-sdkman activates sdkman in the current shell. You must install sdkman separately.		
Java Build Tools				
• sbt	<ul style="list-style-type: none">• sbt - Simple Built Tool<ul style="list-style-type: none">• sbt @ Wikipedia• sbt home• sbt @ Github• sbt 1.x Documentation<ul style="list-style-type: none">• learning sbt<ul style="list-style-type: none">• sbt by example• sbt 2.x Documentation (preliminary as of Oct 2025)	sbt is a built tool that can build Java, Scala and Kotlin projects. It is the de-factor build tool for Scala and its mainly written in Scala with some Java.	Installing sbt <ul style="list-style-type: none">• The best way to install sbt is to use the sdkman tool and run the sdk install sbt command.• This requires sdkman properly installed and available in your shell.• The USRHOME system provides a command you can use to inject support of sdkman to your shell without having to modify the startup scripts. USRHOME provides the envfor-sdkman source script that is invoked by the use-sdkman alias.• Once this script is executed, the sdk command becomes available.	