## **PEL Topics Index**

		Last updated on:	ted on: 2025-09-11		Note: with PEL, type <f11> <f1> to open this PDF index.</f1></f11>			
Emacs Reference Cards			PDF version of official English version of the quick		k reference cards for <b>GNU Emacs</b> and popular external packages.			
With PEL, access these cards from Emacs				•		-	Vince	
with the $< f11>$ ? e r key sequence. See $\underline{\Sigma}$ Help/Info for more info.		Emacs Emacs survival card	<u>Calc</u> Dired	Gnus Gnus booklet	Magit Cheatsheet  Magit Ref-card	<u>Org</u>	<u>Viper</u> VIP	
DEL Outraine DEL license							VIE	
PEL Overview PEL repo PEL Readme PEL Manual PEL NEWS Discussions  PEL license  Last updated on: 2025-09-11  Emacs Mailing Lists		This table holds links to the PEL file tables (hosted on Github as raw PDF files).  For the best user experience, use a browser that can render PDF directly instead of downloading.						
		<ul> <li>Mozilla Firefox (version &gt; 78) does that perfectly. You may need to activate a plug-in for other browsers.</li> </ul>						
								The symbols, colou
		Terminal Multiplexers: General Info ➤ GNU screen , Tmux		<u>≻Legend</u>	➤ Recommended Ema	acs User Option	<u>≻Themes</u>	Migrate from CRiSP
Command Line Scripting	Startup >		Run Emacs daemon & clients		iMenu/Speedbar support			
Languages: bash, sh, zsh Cmdline: GNU readline, ls -I	PEL Code >	How to do it with PEL PEL Naming Conver		entions PEL Environment V		/ariables	PEL utilities	
OS Desktop Key Bindings (Bindings that don't clash with PEL)		<b>≰</b> macOS Fct Keys	<b> </b>		evs	<b></b>	ton Kevs	
			<b>€</b> terminal settings		Rocky Linux 8 Desktop Keys			
		a prioce		PROCKY LITIUX 8 Desi	Kiop Keys		•	
Feature Comparisons		Completion Modes	Compatibility	Speedbar/iMenu M	Mode Compatibility	Shells/Terminals Co	omparisons	
Key Prefixes & Suffixes			∑  Numkeypad  Num	Keys - Fn	Keys - F11	Keys - F12	<u>≻PEL</u>	
<ul> <li>Emacs Manual , Guided Tour of Emacs.</li> <li>Mastering Emacs , Awesome-Emacs</li> <li>MELPA and GNU ELPA</li> <li>The tables listed at right describe Emacs commands &amp; key bindings for concepts &amp; features. The cell is light-blue for major mode, light-red for minor mode specific concepts.</li> </ul>		Cells link titles starting	with only $\mathbb Z$ are Emacs $\mathfrak g$	eneric features, blue link	ks are external packages	. The green links are mo	stly PEL extensions.	
		∑ Abbreviations	∑ Diff & Merge	<u>∑ Grep</u>	∑ Marking	∑ Scrolling	∑ Tab Bar	
		<u>∑ Align</u>	<u>∑ Dired</u>	∑ Help/Info	<u>∑ Menus</u>	∑ Search/Replace	<u>T Templates</u>	
		∑ Auto-Completion	∑ Display - Lines	∑ Hide/Show	∑ Mode Line	∑ Sessions	∑ Text Modes	
Grey cells are links into other pages for		∑ Autosave/Backup	∑ Drawing	<u>∑ Highlight</u> (colors)	<u>∞ Mouse</u>	∑ start Shells/REPLs	∑ Time Tracking	
important concepts.  Emacs commands can be executed by name or bound to key sequences. They describe the commands, their <u>arguments</u> and the key sequences bound to them.  • Emacs Keys • Numeric Arguments You can also:		<u>∑ Bookmarks</u>	∑ Enriched Text	∑ ibuffer-mode	∑ Narrowing	∑ shell-mode	∑ Tramp 🧟	
		∑ Buffers   ∑ Case Conversions	∑ Execute Cmds     ☐	∑ Indentation  ∑ Input Method	∑ Navigation   ∑ Object Files	∑ term-mode  ∑ eat-mode	∑ Transpose text  ∑ Treemacs	
		∑ Close/Suspend	∑ Faces/Fonts	∑ Inserting Text	∑ Outline	∑ vterm-mode	∑ Undo/Redo/Repeat	
		∑ Comments	∑P Fast Startup	∑ Key-Chords	∑ Packages	∑X Smartparens	∑ VCS-Git XMagit	
Run Command by Name		∑ Compilation Mode	∑ File Encoding	∑ Keyboard Macros	∑X Projectile	∑ Sorting	∑ VCS-Mercurial	
Emacs uses a concept of modes:  Emacs Major and Minor Modes  Major Modes  Minor Modes  Choosing Modes  PEL provides several key sequences to toggle minor modes.		∑ Completion/Input	∑ File-mngt	Blx- Lispy	∑ Recursive Edit	∑ Speedbar	∑ VCS-Subversion	
		∑ Counting	∑ File/Dir Variables		∑ Rectangles	∑ Spell Checking	∑ Web	
		<u>∑M CUA</u>	∑ Fill/Justify		∑ Registers	∑ SyntaxCheck	∑ Whitespace	
		<u>∑ Cursor</u>	∑ Frames				∑ Windows	
		∑ Customize					∑ Xref - Cross Refs	
		∑ Cut & Paste						
<u> </u>		<u>≴ display-buffer</u>	<u>≴</u> - ELisp Types	<u>★ ERT</u> (regr-testing)	<u>≴ Hooks</u>			
XRef - Cross Reference Tools See also: ∑ Xref		Emacs supports various cross reference mechanisms described in the <b>Xref</b> table. These mechanisms take advantage of various external tools and integrate with them. Notes about those tools are available in the tables listed in this section. Also describes indentation.						
		₫ Xref-Support	1 Xref-Frontend	1 Xref-Backend			Indentation Styles	
Build Tools & Preprocessor		ֆն - CMake ₩	<u> </u> βί - M4	ស្ទ្រ - Make gmake	- pι - Nix	<u> ֆί - Tup</u>		
Data Serialization & Modelling		© CWL	① YAML		S ASN.1 asn1-mode	S MIB snmp-mode	S YANG	
Other File Formats		∑ Changelog Files	Config/ini/toml Files	RFC (RFC @ Wikipedia)			M X.509 Certificates	
Hardware Description Languages Lightweight Markup Languages  Graphics Markup			VHDL ##		RPM Files (Spec file format)		ij X.303 Gertificates	
		<u>ἡδῖ - Verilog</u> ##						
		<u>M AsciiDoc</u>	<u>M Markdown</u>	M Org-Mode	<u>M reStructuredText</u>			
		M Graphviz Dot	<u>M MscGen</u>	<u>M PlantUML</u>				
Programming Languages Main Paradigm of Programming Languages		Emacs has major mode	e support for several pro	gramming languages. P	EL extends Emacs supp	oort for some of them (ot	ners are marked 🚧).	
Actor Model:      Array     Concatenative      Conc		BEAM Programming	<u>Functional</u>	Javascript target	Pascal-style syntax	Lisp-like Languages	Stack Based	
Domain Specific		Curly Bracket	Java Virtual Machine	ML Family	Lisp Family	Scheme Dialects	OS App Control	
• Dynamic & Extens: • Functional: (f) Pure: (F)		%ा - Ada 🚧 🔊 🕙	BI-D OFA	BI - Gambit (f)®	βι - Janet ()∱®	ֆῖ-Pascal	Scala ##	
• Generic 9		ֆնա՛- AppleScript	Dart ##	BI - Gerbil fmA	Java 🚧	<b>Bl - Perl</b> (perl5)	BI - Scheme fm	
Imperative: ① or no token     Object Oriented ② Procedural ②     Has Syntactic Macros: ⑪     Multi-paradigm Ϡ Reflective       System Level ③      The programming languages supported by PEL are listed here in alphabetical order.     Emacs (and PEL) also provides basic support for some of the one PEL does not support and for other programming languages not listed here.		APL ##	pĭ - Eiffel ‱ ⊚	BI - GNU Guile (f) (f)	PI - Javascript 🚧	<b>%</b> I - Pike	%ा-Seed7 <b>##</b> ⊚ இ त्र	
		PI - Arc (fm)	pι - Elm <b>##</b> F	₽ĭ - Gleam	BI - Julia @	PI - Python dPOT	ıβι-Smalltalk ₩ 0	
		<u>\$\tilde{L} - awk</u>	BI - Elixir ©@FA	<u>₱፲ - Go</u>	Kotlin ##	\$↓ - Purescript ∰ €	\$I-Swift	
		<u>φι - C</u> Θ	TAL - Emacs Lisp	Groovy ##	BI-LFE COMPA	R <b>₩ @ @ ® • X  </b>	BI - Tcl fi	
		<u>₽፲ - C++</u>	BI - Erlang © FA	βũ - Haskell   F	<b>№ -Lua (f) (i)</b> (ii)	Bi - Racket (fm)	βί - Typescript ##	
		Carbon ## future	PI - Factor (R) Om	Haxe ##	<u>มีเ-Lua</u>	क्रा - ReasonML ﷺ	BI - UNIX Shell	
		BI - Chez 🗇	BI - Forth	Pi-Hy (python) m	n - NetRexx	BI - REXX	BI - V	
Future support for APL, Carbon, Crystal, Dart, Elm, Groovy, Haxe, Kotlin, Purescript, ReasonML, Scala, Typescript and documentation of support for Fortran, Javascript, Java, Modula, (based on my need for them or requests).		Pi - Chibi (†m)	Fortran ##	pr-11y (Dymon) (II)	ı - Nim m⊗	Bǐ - Ruby	₽Į -Zig ⊗	
		BI - Chicken fm	. <u> </u>		<u>PI-Objective-C</u> ##	BI - Rust S	<del>2, 2, 3</del>	
		PI - Clojure 🗇			BI - OCaml if	<del>2 </del>		
		Common Lisp fm			BI - Odin S			
		Crystal ***			<del></del>			