

Emacs support for C3

Description	Keystroke	Function	Note
C3 Support			
• File associations			<p>C3 is a programming language based off the C language. It is relatively new and still evolving.</p> <p>PEL supports the only supported mode for C3: the tree-sitter-based c3-ts-mode provided by the external c3-ts-mode package.</p> <p>📦 Requires the c3-ts-mode file  PEL installs it in the utils directory when pel-use-c3 user-option is set to t.</p> <ul style="list-style-type: none"> PEL associates the files with the .c3 file extension with c3-ts-mode.. ⚠️ PEL support for C3 requires Emacs >= 30.1 because tree-sitter is required by c3-ts-mode, and PEL only support tree-sitter for Emacs >= 30.1: <ul style="list-style-type: none"> See Tree Sitter and Tree-sitter. PEL activates Speedbar support for the C3 files when pel-use-speedbar user-option is on (set to t). imenu support provided by c3-ts-mode is available.
<u>Last updated on:</u>	2025-12-22		
Open this PDF file. See also: Help/Info	<f11> SPC M-G <f1> <f12> <f1>	(pel-help-pdf &optional OPEN-WEB-PAGE)	Open the PI - C3 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 C3 support	<f11> SPC M-G <f2> <f12> <f2>	(pel-customize-pel &optional OTHER-WINDOW)	Customize PEL C3 support. <ul style="list-style-type: none"> If OTHER-WINDOW is non-nil (use C-u), display in another window.
Customize Emacs C3 support	<f11> SPC M-G <f3> <f12> <f3>	(pel-customize-library &optional OTHER-WINDOW)	Customize Emacs C3 support: c3-ts . <ul style="list-style-type: none"> If OTHER-WINDOW is non-nil (use C-u), display in another window.
Show PEL setup for C3	<f11> SPC M-G ?	(pel-c3-setup-info &optional APPEND)	Display C3 setup information inside a *pel-c3-info* buffer with buttons providing quick access to the customization buffer of each variable shown. The information shown includes the value and interpretation of: <ul style="list-style-type: none"> c3-ts-format-on-save c3-ts-indent-offset tab-width To append information in the buffer instead of clearing the previous content type any prefix argument (such as C-u) before the command keystroke.
Set visual rendering of hard tabs for the current buffer	<f11> <tab> w	(pel-set-tab-width N)	Change the tab width of the current buffer, only affecting the display rendering of hard tabs inserted in the buffer text. Prompts for a new value in the [2, 8] range. <ul style="list-style-type: none"> This modifies a buffer local value of the tab-width user-option. The change is temporary and affects the current buffer only. To change the tab width used for all C3 source code files, change the 'pel-c3-tab-width' user-option variable instead. See Indentation for more information.
Comments	See also: Comments		
Insert, realign, comment/uncomment region	M-;	(comment-dwim ARG)	Insert or realign comment on current line (or region if a region is active). If line/region is already commented, uncomment it. <ul style="list-style-type: none"> On a single line, the comment is placed <i>after</i> the code. C-u M-; executes comment-kill
With PEL: Comment the current line with M-0 M-;		(pel-comment-dwim ARG)	Same as comment-dwim but comments the current line with a numeric ARG or 0.

Emacs & C3 – References

Document	Notes	
The C3 Programming Language	<ul style="list-style-type: none"> C3 home c3c: C3 Compiler @ Github 	GitHub repos:
Learning C3	<ul style="list-style-type: none"> What is C3? 	
Emacs support	<ul style="list-style-type: none"> c3-ts-mode @ Github : tree-sitter-based major-mode for C3. tree-sitter-c3 @ Github : tree-sitter language grammar for C3. 	