

# Emacs support for the Seed7 Programming Language

Description	Keystroke	Function	Note	
<b>Seed7 Editing</b> ○ Help & customization • Comments • Template Expansion ○ Seed7 abbreviations • Marking • Menu • iMenu/ Speedbar • Outline ○ Navigation • Xref Navigation ○ Syntax-aware Indentation • Compilation • Seed7 Information		PEL supports for the Seed7 programming language uses <a href="#">seed7-mode</a> . PEL also provides useful <a href="#">extensions &amp; utilities</a> that can't be implemented in the major mode.  The <a href="#">seed7-mode</a> external package is installed when <a href="#">pel-use-seed7</a> user-option is set to t. The <a href="#">seed7-mode</a> supports: <ul style="list-style-type: none"><li>• Seed7 code highlighting</li><li>• Insertion of Seed7 block or line-end comments. Ability to select which type is inserted by comment-swim.<ul style="list-style-type: none"><li>• PEL also provides a command to select the comment style allowing easy selection of different styles of multi-line comments, a feature provided by Emacs that PEL uses and provides an easy selection at prompt.</li></ul></li><li>• Seed7 code navigation across function and procedures as well to start/end of blocks inside functions/procedure as well as enum and struct.</li><li>• imenu support, allowing use of all imenu-based navigation commands and pop-up menus. Identifies callable (functions and procedures), interfaces, enums, structs.</li><li>• <a href="#">Speedbar</a> support and top menu with available commands. (see <a href="#">Menus</a>)</li><li>• Seed7-syntax-aware auto-indentation and auto-fill-mode are supported.</li><li>• Code keyword expansion to Seed7 statements with ability to jump to next field to fill with <a href="#">tempo markers</a> and navigation to those.</li><li>• outline-minor-mode to list the name of Seed7 callables. See <a href="#">Outline</a> for more information.</li><li>• Invocation of Seed7 compiler tools to perform static analysis or compilation of Seed7 code.</li></ul>		
Last updated on:	2025-12-03	All PEL functions that extend the <a href="#">seed7-mode</a> have names that are shown using <a href="#">light green color</a> . See <a href="#">Legend</a> for more info.		
Open this PDF file. See also: <a href="#">Help/Info</a>	<a href="#"><code>&lt;f11&gt; SPC 7 &lt;f1&gt;</code></a> <a href="#"><code>&lt;f12&gt; &lt;f1&gt;</code></a>	( <a href="#">pel-help-pdf</a> &optional OPEN-WEB-PAGE)	Open the <a href="#">PDF - Seed7</a> local PDF. If the prefix argument (like <b>C-u</b> or <b>M--</b> ) is used, then it opens the remote GitHub hosted raw PDF instead. If the <a href="#">pel-flip-help-pdf-arg</a> user-option is set it's the other way around.	
<a href="#">Customize</a> PEL Seed7 support	<a href="#"><code>&lt;f11&gt; SPC 7 &lt;f2&gt;</code></a> <a href="#"><code>&lt;f12&gt; &lt;f2&gt;</code></a>	( <a href="#">pel-customize-pel</a> &optional OTHER-WINDOW)	Customize PEL Seed7 support. <ul style="list-style-type: none"><li>• If OTHER-WINDOW is non-nil (use <b>C-u</b>), display in another window.</li></ul>	
<a href="#">Customize</a> Emacs Seed7 support	<a href="#"><code>&lt;f11&gt; SPC 7 &lt;f3&gt;</code></a> • <a href="#"><code>&lt;f12&gt; &lt;f3&gt;</code></a> • <a href="#"><code>C-c &lt;f3&gt;</code></a>	( <a href="#">pel-customize-library</a> &optional OTHER-WINDOW)	Customize Emacs Seed7 support: <a href="#">seed7</a> <ul style="list-style-type: none"><li>• If OTHER-WINDOW is non-nil (use <b>C-u</b>), display in another window.</li></ul>	
Show seed7-mode version information	<a href="#"><code>C-c ?</code></a>	( <a href="#">seed7-mode-version</a> )	Print 'seed7-mode' version UTC time stamp.	
Show seed7-mode info	• <a href="#"><code>C-h m</code></a> • <a href="#"><code>&lt;f1&gt; m</code></a>	( <a href="#">describe-mode</a> &optional BUFFER)	Display information about the seed7-mode extracted from seed7-mode key-map and docstring. See <a href="#">Help/Info</a> for more on navigating Emacs help.	
Open file with alternate extension	<a href="#"><code>M-&lt;f11&gt; M-f M-f</code></a> <a href="#"><code>M-&lt;f12&gt; M-f</code></a>	( <a href="#">pel-open-file-alternate</a> )	Open a file with same name but an alternate extension: .sd7 --> .si7  The <a href="#">pel-alternate-extension-alist</a> user option defines the extension pairs. If no alternate file found, save the file basename in the kill ring and prompt for the file name to open.	
Comments	More are available to insert & manipulate comments, listed in <a href="#">Comments</a> . Some are duplicated here for convenience. The seed7-mode specific are listed first.			
Toggle between Seed7 (* block *) and # line style	<a href="#"><code>C-c ;</code></a>	( <a href="#">seed7-toggle-comment-style</a> &optional ARG)	Toggle the Seed7 comment style between block and line comments. <ul style="list-style-type: none"><li>• Optional numeric ARG, if supplied, switches to block comment style when positive, to line comment style when negative, and just toggles it when zero or left out.</li></ul> Note: the default style for all Seed7 buffers is controlled by the `seed7-uses-block-comment` customizable user-option. The default is line style comments.	
Insert, realign, comment/uncomment region	<a href="#"><code>M-;</code></a>	( <a href="#">comment-dwim</a> ARG)	Insert or realign comment on current line (or region if a region is active). <ul style="list-style-type: none"><li>• On a single line, the comment is placed after the code. If line/region is already commented, uncomment it.</li><li>• <b>C-u M-;</b> executes comment-kill</li></ul>	
		( <a href="#">pel-comment-dwim</a> ARG)	Same as <a href="#">comment-dwim</a> but comment the current line with <a href="#"><code>M-0 M-;</code></a>	
Toggle display of comments in buffer or active region	<a href="#"><code>&lt;f11&gt; ; ;</code></a>	( <a href="#">hide/show-comments-toggle</a> &optional START END)	Toggle hiding/showing of comments in the active region or whole buffer. <ul style="list-style-type: none"><li>• If the region is active then toggle in the region. Otherwise, in the whole buffer.</li></ul>  Requires <a href="#">hide-commt.el</a> package (see <a href="#">Comments</a> ).  activated by <a href="#">pel-use-hide-commt</a>	
Change comment style for buffer	<a href="#"><code>&lt;f11&gt; ; s</code></a>	( <a href="#">pel-comment-style</a> &optional CUSTOMIZE)	Select a comment style for the buffer: prompts with the list of available styles, showing the currently used one. Apply the choice to the current buffer. With <b>C-u</b> prefix, open the customize buffer to control selection of the default comment style for all buffers (the <a href="#">comment-style</a> user option).	
As of Emacs 30, Emacs supports 8 different comment styles, listed here: 	Emacs supports several comment styles, as specified by the <a href="#">comment-styles</a> user-option (which can be modified). Some of these styles only take effect when a region of several lines is comments. By changing the style you can create the boxed comments, for instance and also uncomment the box comment with comment-swim (bound to <b>M-;</b> ) and then change for another comment style in the same buffer. <ul style="list-style-type: none"><li>• The style selected by the command only affects the current buffer. It is not persistent. The persistent setting is the <a href="#">comment-style</a> user option.<ul style="list-style-type: none"><li>• 0 = plain: Start in column 0 (do not indent), as in Emacs-20</li><li>• 1 = indent-or-triple: Start in column 0, but only for single-char starters</li><li>• 2 = indent: Full comment per line, ends not aligned</li><li>• 3 = aligned: Full comment per line, ends aligned</li><li>• 4 = box: Full comment per line, ends aligned, + top and bottom</li><li>• 5 = extra-line: One comment for all lines, end on a line by itself</li><li>• 6 = multi-line: One comment for all lines, end on last commented line</li><li>• 7 = box-multi: One comment for all lines, + top and bottom</li></ul></li></ul>			
<b>Seed7 Code Template insertion &amp; expansion</b>	The <a href="#">seed7-mode</a> supports a set of code keyword expansion to Seed7 statements with ability to jump to next field to fill with <a href="#">tempo markers</a> and navigation to these fields to complete the template easily. <ul style="list-style-type: none"><li>• Code keyword expansion is performed by the <a href="#">seed7-complete-statement-or-indent</a> command, bound to the <a href="#"><code>&lt;tab&gt;</code></a> key.</li><li>• To use keyword expansion: type the keyword then type <a href="#"><code>&lt;tab&gt;</code></a> to expand the keyword into the corresponding code that will be properly indented.</li></ul> There are 2 groups of supported keywords. <ul style="list-style-type: none"><li>• The keywords shown in the first part of the table expand to their corresponding code template when the keyword is the only word on the line and point is placed just after the last keyword character.</li></ul>			
Top level or block declarations. Type the keyword at the beginning of the line and hit <a href="#"><code>&lt;tab&gt;</code></a> to expand the corresponding code.	inc const var proc func funcs enum struct case if ife ifei ifeie	include statement constant declaration variable declaration procedure declaration function declaration short function declaration enum type declaration struct type declaration case statement if statement if statement with an else clause if statement with an elsif clause if statement with an elsif and an else clause	for foru fors fore foreu forek foreku fork forku repeat while	for statement for-until statement for-step statement for-each statement for-each statement combined with an until condition for-each-key statement for-each-key statement combined with an until condition for-key statement for-key statement combined with an until condition repeat - until statement while statement
Parameter declarations Also expand with <a href="#"><code>&lt;tab&gt;</code></a>	<ul style="list-style-type: none"><li>• The second group of keywords are expanded when the keyword precedes a closing parenthesis; they are use to expand the parameter declarations.</li></ul>			
	in inout invar	Declaration of an <a href="#">in-parameter</a> . Declaration of an <a href="#">inout-parameter</a> . Declaration of an <a href="#">in-var-parameter</a> .	callbn ref val	Declaration of a <a href="#">call-by-name parameter</a> . Declaration of a <a href="#">reference-parameter</a> . Declaration of a <a href="#">value-parameter</a> .
Expand keyword or indent	<a href="#"><code>&lt;tab&gt;</code></a>	( <a href="#">seed7-complete-statement-or-indent</a> )	If point follows a valid code keyword properly located, this perform code expansion, leaving point at the first location that must be filled. <ul style="list-style-type: none"><li>• In that case you can then type <a href="#"><code>&lt;backtab&gt;</code></a> to move to the next field that needs to be filled (or has already been filled). Those are <a href="#">tempo markers</a> that stay in the buffer until the buffer is closed.</li></ul> If point is located anywhere else indent the line or selected block.	
Move to next field	<a href="#"><code>&lt;backtab&gt;</code></a>	( <a href="#">tempo-forward-mark</a> )	Move point to the next <a href="#">tempo marker</a> , the next template field to fill.	

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<b>Seed7-specific abbreviations</b>	The <a href="#">seed7-mode</a> supports Seed7-specific abbreviations for <a href="#">Emacs abbrev-mode</a> when the <code>seed7-support-abbrev-mode</code> customizable user-option is on (the default).		<ul style="list-style-type: none"> <li>All abbreviation and their text expansion are set by the <code>seed7-abbreviations</code> customizable user-option list.</li> <li>The default list is shown below. All abbreviations start with a semi-colon.</li> <li>You can modify the default and add other abbreviations through customization.</li> <li>These abbreviations are system abbreviations, treated specially by the abbrev-mode in the sense that you can't modify them dynamically via the abbrev-mode commands. But you don't need to since they can be modified by customization.</li> <li>Of course you can create other abbreviations that help you write code or comments. See <a href="#">Abbreviations</a> for more details related to abbreviations in Emacs.</li> <li>To expand the abbreviations, the <a href="#">abbrev-mode</a> must be active: type the abbreviation followed by a word-separating character, such as <code>&lt;space&gt;</code>, <code>&lt;RET&gt;</code>, semi-colon, period, comma, etc..</li> </ul>																																																																																							
See also:	<a href="#">Abbreviations</a>		<p>👉 Use the <code>list-abbrevs</code> command to list all abbreviations (<code>&lt;f11&gt; a M-1</code> with PEL), including the following Seed7-specific ones. The list are shown in sorted order.</p>																																																																																							
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<b>Marking</b>	The <a href="#">seed7-mode</a> support specialized marking. It is also compatible with other Emacs native and package commands. See <a href="#">Marking</a> for more information.																																																																																									
Mark current callable	<code>C-M-h</code>	<a href="#">(seed7-mark-defun)</a>		Mark the current Seed7 function or procedure. <ul style="list-style-type: none"> <li>Put the mark at the end and point at the beginning.</li> <li>If point is before or between 2 functions or procedure, mark the next one.</li> </ul>																																																																																						
<b>Menu Control</b>	The <a href="#">seed7-mode</a> supports the top <a href="#">Menus</a> for more information on how to activate the Emacs menu. Seed7 specific information is in the <a href="#">Seed7</a> menu section.																																																																																									
<b>iMenu Control</b>	The <a href="#">seed7-mode</a> supports <a href="#">iMenu</a> symbol identification and <a href="#">Speedbar</a> facility. All of <a href="#">iMenu</a> and <a href="#">Speedbar</a> commands are available for Seed7 code.																																																																																									
Toggle iMenu grouping of callable: function & procedures listed separately or together	<code>C-c %</code>	<a href="#">(seed7-toggle-menu-callable-list)</a>		Change the way callables are listed inside the current buffer menu. <ul style="list-style-type: none"> <li>Toggles listing them together or separately.</li> <li>When listed separately the function and procedures are listed inside their own group, otherwise they are listed together.</li> </ul>																																																																																						
Toggle iMenu sorting	<code>C-c =</code>	<a href="#">(seed7-toggle-menu-sorting)</a>		Toggle displaying menu entries in code order or sorted order.																																																																																						
<b>Seed7 Outlining</b>	The <a href="#">seed7-mode</a> supports Emacs outline minor mode. Some info is shown below See <a href="#">Outline</a> for the complete list.																																																																																									
Outline minor mode	<code>&lt;f11&gt; M-1</code>	<a href="#">(outline-minor-mode &amp;optional ARG)</a>		Toggle Outline minor mode. Headings are defined by outline variables.																																																																																						
Hide all bodies	<code>C-c C-t</code>	<a href="#">(outline-hide-body)</a>		Collapse the body of all blocks, leaving the first line visible.																																																																																						
Show all	<code>C-c C-a</code>	<a href="#">(outline-show-all)</a>		Show all: expand the body of all blocks.																																																																																						
Show subtree	<code>C-c C-s</code>	<a href="#">(outline-show-subtree)</a>		Show everything after this heading at deeper levels.																																																																																						
Hide others	<code>C-c C-o</code>	<a href="#">(outline-hide-other)</a>		Collapse everything except the current block.																																																																																						

Description	Keystroke	Function	Note
<b>Code Navigation</b>	The <b>seed7-mode</b> supports syntax-aware procedure/function as well as block aware navigation commands <ul style="list-style-type: none"> <li>PEL provides some extra key bindings to Emacs native navigation commands.</li> <li>The <b>seed7-mode</b> also supports imenu-compliant parsing which enables the ability to use a large set of navigation packages. <ul style="list-style-type: none"> <li>See <a href="#">navigation by symbol definition</a> in the <a href="#">Navigation</a> page for more information.</li> </ul> </li> <li>The <b>seed7-mode</b> navigation commands display the name and type of block found when the <b>seed7-verbose-navigation</b> user-option is turned on (set to t).</li> </ul>		
<b>Shift-Selection</b>	If you press and hold the <b>shift</b> key while typing a movement command, that sets the mark before moving point (Emacs name for cursor) so that the region extends from the original point to its new position. This is called: <a href="#"><b>Shift-Selection</b></a> . <ul style="list-style-type: none"> <li><b>Shift selection</b> is supported by some navigation commands, not all. The following symbols are used to identify whether the command supports shifts selection: <ul style="list-style-type: none"> <li>➡ This command supports shift selection in GUI and terminal mode.</li> <li>⬇ This command supports shift selection only in GUI mode.</li> <li>⬇ This command supports shift selection in GUI mode and also in terminal mode under some conditions (described in the description cell for the command).</li> <li>✗ This command does <b>not</b> support shift selection. Sometimes for this you can first set the mark before moving.</li> <li>Pressing the Shift key when using the key binding for commands that do not show any of these 3 arrows have no impact on the shift selection (and may be inappropriate for the command).</li> </ul> </li> </ul>		
<b>Move Point</b>	The following sub-sections describe how to navigate across various types of textual and syntactical entities.		
• <a href="#"><b>by defun</b></a>	The commands move point by Seed7 function and procedure definitions. <p>👉 In PEL:</p> <ul style="list-style-type: none"> <li>The &lt;f12&gt; cursor key mappings use &lt;up&gt; and &lt;down&gt; to move to the beginning or end of the function, procedure or other blocks.</li> <li>The &lt;f6&gt; cursor key mapping use &lt;up&gt; and &lt;down&gt; to move to the beginning or end of the function or procedure.</li> <li>The &lt;f6&gt; cursor key mapping use &lt;right&gt; and &lt;left&gt; to move to the beginning or end of the next/previous function or procedure.</li> <li>The advantage of the &lt;f6&gt; and &lt;f12&gt; key bindings is they support <b>Shift-Selection</b> for Emacs in terminal mode, as opposed to the key bindings that use the Control key which can only support <b>Shift-Selection</b> when Emacs is running in Graphics mode.</li> <li>After moving successfully, unless you did not push the mark, you can go back to previous location with: M-` &lt;f6&gt; &lt;f6&gt; or &lt;f11&gt; . `</li> </ul>		
<b>Backward to beginning of defun</b>	<ul style="list-style-type: none"> <li>&lt;f6&gt; &lt;up&gt;</li> <li>C-M-a</li> <li>C-M-&lt;home&gt;</li> <li>C-[ C-a</li> <li>Esc C-a</li> </ul>	(seed7-beg-of-defun &optional N SILENT DONT-PUSH-MARK)	Move backward to the beginning of a defun. <ul style="list-style-type: none"> <li>With ARG, do it that many times. Negative ARG means move forward to the ARGth following beginning of defun.</li> <li>Prints the name of the function or procedure in the message area.</li> <li>Supports <b>Shift-Selection</b> in graphics mode. &lt;f6&gt;&lt;up&gt; supports it in terminal mode too.</li> </ul>
<b>Forward to end of defun</b>	<ul style="list-style-type: none"> <li>&lt;f6&gt; &lt;down&gt;</li> <li>C-M-e</li> <li>C-M-&lt;end&gt;</li> <li>C-[ C-e</li> <li>Esc C-e</li> </ul>	(seed7-end-of-defun &optional N SILENT DONT-PUSH-MARK)	Move forward to next end of defun. <ul style="list-style-type: none"> <li>With argument, do it that many times. Negative argument -N means move back to Nth preceding end of defun.</li> <li>Prints the name of the function or procedure in the message area.</li> <li>Supports <b>Shift-Selection</b> in graphics mode. &lt;f6&gt;&lt;down&gt; supports it in terminal mode too.</li> </ul>
<b>Move Forward to beginning of next defun</b>	<ul style="list-style-type: none"> <li>C-c C-n</li> <li>&lt;f6&gt; &lt;right&gt;</li> </ul>	(seed7-beg-of-next-defun &optional N SILENT DONT-PUSH-MARK)	Move forward to the beginning of the next function or procedure. <ul style="list-style-type: none"> <li>With optional argument N, repeat the search that many times and succeed only when that many function or procedures are found. <ul style="list-style-type: none"> <li>A value of zero means no action. A negative value is not allowed and raises a user error.</li> </ul> </li> <li>Unless SILENT, the function prints a message showing the name of the found function or procedure.</li> <li>When a new function or procedure is found the function pushes the mark unless DONT-PUSH-MARK is non-nil. Pushing the mark allows future pop to go back to the original position with C-u C-SPC.</li> <li>Supports shift selection.</li> </ul>
<b>Backward to end of previous define</b> 🚧 will be replaced	<f6> <left>	(pel-end-of-previous-defun &optional SILENT DONT-PUSH_MARK)	Move backwards to the end of the previous function definition. <ul style="list-style-type: none"> <li>Issue user error not find end of previous function unless SILENT is non-nil.</li> <li>If the end of previous function is found, push the start location to the mark ring unless DONT-PUSH_MARK is non-nil.</li> <li>Supports <b>Shift-Selection</b>.</li> </ul>
<b>Forward to end of current block statement</b>	<f12> <down>	(seed7-to-block-forward)	Move forward from the beginning of a Seed7 block to its end. <ul style="list-style-type: none"> <li>Supports the Seed7: if/end if, block/end block, case/end case, enum/end enum, for/end for, repeat/until, struct/end struct, while/end while. It also supports moving to the end of a function or a procedure.</li> <li>Supports <b>Shift-Selection</b>.</li> </ul>
<b>Backward to beginning of current block statement</b>	<f12> <up>	(seed7-to-block-backward)	Move backward from the end of a Seed7 block to its beginning. <ul style="list-style-type: none"> <li>supports the Seed7: if/end if, block/end block, case/end case, enum/end enum, for/end for, repeat/until, struct/end struct, while/end while. It also supports moving to the end of a function or a procedure.</li> <li>Supports <b>Shift-Selection</b>.</li> </ul>
<b>Move to top of block</b>	C-c C-t	(seed7-to-top-of-block)	Move point to the top of the current block; out of any nesting.
<b>Move to block backward</b>	C-c C-a	(seed7-to-block-backward &optional AT-BEGINNING-OF-LINE DONT-PUSH-MARK)	Move backward from block end to its beginning. <ul style="list-style-type: none"> <li>Move point to the beginning of the block keyword or comment.</li> <li>If point moves to the indenting area as a result, and AT-BEGINNING-OF-LINE optional argument is set, move point to the beginning of the line.</li> <li>Push mark unless DONT-PUSH-MARK is non-nil. Supports shift-marking.</li> <li>Return found position if found, nil if nothing found.</li> </ul>
<b>Move to block forward</b>	C-c C-e	(seed7-to-block-forward &optional DONT-PUSH-MARK)	Move forward from the block beginning to its end. <ul style="list-style-type: none"> <li>Handle function and forward declarations blocks.</li> <li>Push mark unless DONT-PUSH-MARK is non-nil. Supports shift-marking.</li> <li>Return found position or nil if nothing found.</li> </ul>
<b>Cross Reference Navigation</b>	The Seed7 programming language can inspect itself: it is reflective in the sense that it can be parsed easily by the simple Seed7 code. <ul style="list-style-type: none"> <li>The <b>seed7-mode</b> takes advantage of this to provide quick cross reference navigation without the need of a language server or ctags parsing.</li> <li>The <b>seed7-mode</b> provides the <b>s7xref.sd7</b> Seed7 program that acts as a cross reference parser and is used as the backend for Emacs xref. <ul style="list-style-type: none"> <li>This program can be interpreted (the most flexible option) or compiled.</li> <li>Identify the location of the program in the seed7-xref customizable user-option in the seed7 customization buffer (access it via C-c C or &lt;f12&gt; &lt;f3&gt;).</li> <li>Once the <b>s7xref.sd7</b> program properly in place (the seed7-mode default should be enough) you can use the following commands to navigate quickly across Seed7 code.</li> <li>Note that the <b>seed7-mode</b> back-end implementation of xref-find-definition does more than only looking up for identifiers managed by the <b>s7xref.sd7</b> program: it is also aware of block and file scope and can identify the location of a local or global variable.</li> </ul> </li> </ul>		
<b>Find definition of identifier at point</b>	M-`	(xref-find-definitions IDENTIFIER)	Grab symbol at point and move cursor to its definition. <ul style="list-style-type: none"> <li>If there are more than one match, prompt in the *xref* buffer.</li> <li>To search for a symbol entered manually, type C-u M-`.</li> <li>With dumb-jump this performs a search using ag, ripgrep or git grep if available.</li> </ul>
<b>Go back to where M-` was last issued</b>	M-,	(xref-pop-marker-stack)	<ul style="list-style-type: none"> <li>Pop back to where M-` was last invoked.</li> <li>Marker depth is controlled by the <b>xref-marker-ring-length</b> user option.</li> </ul>

Description	Keystroke	Function	Note
<b>Syntax-aware automatic Indentation</b>		Emacs approach to indentation control is based on what the major-mode provides. For Seed7 code, the indentation is controlled by logic implemented by the <a href="#">seed7-mode</a> . Unless explicitly disabled by setting the <code>seed7-auto-indent</code> user-option to nil, the <code>&lt;tab&gt;</code> and <code>&lt;return&gt;</code> key perform syntax-aware automatic indentation of Seed7 code. The <code>&lt;return&gt;</code> key also supports the auto-fill-mode.	
See also <a href="#">Indentation</a>		<ul style="list-style-type: none"> <li>When you type code and hit the <code>&lt;return&gt;</code> key the line you just typed is indented to the location corresponding to the Seed7 indentation rules.</li> <li>When you press the <code>&lt;tab&gt;</code> key <b>anywhere</b> on the line, the <code>seed7-mode</code> code shakes if the current line is properly indented and updates the indentation if required. If it's already properly indented, then nothing occurs!           <ul style="list-style-type: none"> <li>That may seem unusual behaviour for new Emacs users. But that's the way Emacs deals with indentation in all modes!! It is the expected behaviour for Emacs.</li> <li>If you want to insert spaces or hard tab character, you have to use another key combination. See <a href="#">Indentation</a> for more information on this topic.</li> </ul> </li> <li>Note that in Seed7 buffers, the <code>&lt;tab&gt;</code> key is bound to the <code>seed7-complete-statement-or-indent</code> command which check if point (the cursor location) follows a code keyword that should be expanded and if so performs the expansion instead of the indentation. Type <code>&lt;tab&gt;</code> again to perform the indentation in that case.</li> <li>The number of columns used for each indentation level is controlled by the <code>seed7-indent-width</code> user-option, which defaults to 2.</li> <li>Emacs can use hard tabs as appropriate when you activate the <code>indent-tabs-mode</code>. If it is off Emacs only uses space characters.</li> <li>The <code>seed7-mode</code> also supports standard Emacs indentation commands.</li> </ul>	
<b>Auto-fill-mode</b>		The <code>seed7-mode</code> supports Emacs auto-fill-mode, useful when typing comments. See the <a href="#">Fill/Justify</a> page and the <code>pel-comment-style</code> command above.	
Expand keyword or indent	<code>&lt;tab&gt;</code>	( <code>seed7-complete-statement-or-indent</code> )	If point follows a valid code keyword properly located, this perform code expansion, leaving point at the first location that must be filled. <ul style="list-style-type: none"> <li>In that case you can then type <code>&lt;backtab&gt;</code> to move to the next field that needs to be filled (or has already been filled). Those are <b>tempo markers</b> that stay in the buffer until the buffer is closed.</li> </ul> If point is located anywhere else indent the line or selected block.
Indent enclosing block	<code>C-M-q</code>	( <code>seed7-indent-block</code> )	Indent the block enclosing point. Do not move point.
Refill/justify	<code>M-q</code>	( <code>seed7-fill</code> )	Refill/justify comment and string paragraph, re-indent current code block.
<b>Compilation</b>		The Seed7 source code is either interpreted or compiled. In both cases you can verify its validity by performing a static check of the code, an operation that does not generate any binary file but perform the same language checking that the compiler will do.	
Static check or compile Seed7 file See <a href="#">Compilation Mode</a>	<code>C-c C-c</code> <code>&lt;f12&gt; c</code>	( <code>seed7-compile &amp;optional COMPILE</code> )	Static check current Seed7 file, show errors in compilation-mode buffer. <ul style="list-style-type: none"> <li>With optional COMPILE argument: compile the file to executable instead.</li> <li>Any argument&gt;. Use <code>C-u C-c C-c</code> or <code>M-O M-&lt;F12&gt; c</code></li> </ul>
C-c C-c static check C-u C- C-c compile			<ul style="list-style-type: none"> <li>For example: type <code>C-u &lt;f12&gt; c</code> for compiling the file. Without the <code>C-u</code> prefix it just static checks the file, an operation that is much faster.</li> <li>The static analysis is performed by the command identified by the <code>seed7-checker</code> user-option, which defaults to <code>s7-check</code>.</li> <li>You can specify any command with or without its path.</li> <li>The compilation is performed by the command identified by the <code>seed7-compiler</code> user-option, which defaults to <code>s7c</code>.</li> <li>You can specify any command with or without its path.</li> <li>Any detected error is shown in a "compilation" <a href="#">Compilation Mode</a> buffer. Use it to navigate to the line of the code in error.</li> </ul>

## Emacs & Seed7 — References

Document	Notes	
The Seed7 Programming Language	<ul style="list-style-type: none"> <li><a href="#">Seed7 @ Wikipedia</a></li> <li><a href="#">Seed7 Home</a></li> <li><a href="#">Seed7 @ Github</a></li> <li><a href="#">Seed7 @ reddit</a></li> <li><a href="#">Seed7 @ Rosetta code</a></li> <li><a href="#">Seed7-users mailing list archive</a></li> </ul>	<ul style="list-style-type: none"> <li><a href="#">Seed7 Manual</a></li> <li><a href="#">Seed7 Language Reference</a></li> </ul>
Presentations	<ul style="list-style-type: none"> <li><a href="#">The Seed7 Programming Language @ Youtube</a></li> <li><a href="#">The Seed7 Programming Langage Presentation at CPP Vienna @ Youtube</a></li> <li><a href="#">Another speech about the Seed7 Programming Language</a></li> </ul>	<a href="#">Modern Extensible Languages. Daniel Zingaro, McMaster U. April 11, 2007 (pdf)</a>
Emacs support  is partial, not yet completed.	<a href="#">seed7-mode @ Github</a>	
Other tools that support Seed7	<ul style="list-style-type: none"> <li><a href="#">ripgrep</a> a very fast grep replacement - supports seed7 file types with <a href="#">this pull request accepted April 7 2025</a> <ul style="list-style-type: none"> <li>With this version of ripgrep, you can use <a href="#">deadgrep</a> to identify Seed7 files by name in Emacs. See <a href="#">Grep</a></li> </ul> </li> <li><a href="#">ugrep</a> another very fast grep replacement - supports seed7 files with <a href="#">this pull request</a> .</li> </ul>	