## **Emacs support for the Seed7 Programming Language**

Description	Keystroke	S support for the Seed / P		Note	
Seed7 Editing	PEL supports for the Seed7 programming language is experimental and not yet documented except for what you see here.				
O Help & customization	The <u>seed7-mode</u> external package is installed when the pel-use-seed7 user-option is set to t.  • Seed7 files are files with .sd7 and .s7i extensions.				
<ul><li>Comments</li><li>Template Expansion</li></ul>					
o Seed7 abbreviations	Seed7 code highlighting				
<ul><li> <u>Auto-indent</u></li><li> <u>Marking</u></li></ul>		k or line-end comments. Ability to select which type is command to select the comment style allowing easy s		swim. les of multi-line comments, a feature provided by Emacs that	
O Navigation	PEL uses and provide	des an easy selection at prompt.	· ·		
<ul><li>Compilation</li><li>Seed7 Information</li></ul>		across function and procedures as well to start/end of g use of all imenu-based navigation commands and pro-		s/procedure as well as enum and struct. s callable (functions and procedures), interfaces, enums, structs.	
	1	and top menu with available commands. (see <u>Menus</u>	1)		
Last updated on:		uto-indentation and auto-fill-mode are supported. ion to Seed7 statements with ability to jump to next fiel	d to fill with tempo ma	rkers and navigation to those.	
		list the name of Seed7 callables. See <u>Noutline</u> for manufacture tools to perform static analysis or compilation of			
	<ul> <li>Invocation of Seed7 compiler tools to perform static analysis or compilation of Seed7 code.</li> <li>2025-06-09</li> </ul>				
Open this PDF file.			local PDF. If the prefix argument (like C-u or M) is used,		
See also: <u>∑ Help/Info</u>	<f12> <f1></f1></f12>			ote GitHub hosted raw PDF instead. If the <b>pel-flip-help-pdf</b> -it's the other way around.	
T Customine DEI	45115 and 7 4505		- 1	•	
∑ Customize PEL Seed7 support	<f11> SPC 7 <f2></f2></f11>	(pel-customize-pel &optional OTHER-WINDOW)	<ul><li>Customize PEL Seed</li><li>If OTHER-WINDOW</li></ul>	7 support. V is non-nil (use <b>C−u</b> ), display in another window.	
	<f12> <f2></f2></f12>		, , , , , , , , , , , , , , , , , , , ,		
∑ Customize Emacs Seed7 support	<pre><f11> SPC 7 <f3> (pel-customize-library &amp; optional OTHER-WINDOW)</f3></f11></pre>				
Seed? Support	<f12> <f3></f3></f12>	• If OTHER-WINDOW is non-nil (use <b>C-u</b> ), display in another window.			
Comments		navailable to insert and manipulate commands, listed in	∑ Comments. Some	are duplicated here for convenience.	
	The ones specific to seed				
Toggle between Seed7	C-c ;	(seed7-toggle-comment-style &optional ARG)		nment style between block and line comments.  .RG, if supplied, switches to block comment style when positive,	
(* block *) and			to line comment sty	yle when negative, and just toggles it when zero or left out.	
# line style			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,	M-;	(comment-dwim ARG)		nent on current line (or region if a region is active).	
comment/uncomment	"		<ul> <li>On a single line, the comment is placed after the code.</li> <li>C-u M-; executes comment-kill</li> </ul>		
region					
Toggle display of comments in buffer or	<f11> ; ;</f11>	(hide/show-comments-toggle &optional START END)	Toggle hiding/showing of comments in the active region or whole buffer.  • If the region is active then toggle in the region. Otherwise, in the whole buffer.		
active region			This requires the <u>hide-comnt.el</u> package (see <u>S Comments</u> ).    PEL ac		
See also: <u>See also</u> : <u>See also: <u>See also</u>: <u>See also: <u>See also: <u>See also: See also: See also: <u>See also</u>: <u>See also: See also: See also: See also: <u>See also: See a</u></u></u></u></u></u>			when the <b>pel-use-hide-comnt</b> user option is <b>t</b> .		
Change comment	<f11> ; s</f11>	(pel-comment-style &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.		
style for buffer				pen the customize buffer to control selection of the default	
	comment style for all buffers (the <b>comment-style</b> user option).				
	Emacs supports several comment styles, as specified by the <b>comment-styles</b> 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 M-; ) and then change for another comment style in the same buffer.				
	<ul><li>The style selected by t</li><li>0 = plain:</li></ul>	he command only affects the current buffer. It is not po Start in column 0 (do not indent),		nt setting is the <b>comment-style</b> user option.	
As of Emacs 30, Emacs	• 1 = indent-or-t • 2 = indent:	riple: Start in column 0, but only for st		rs	
supports 8 different comment styles, listed	• 3 = aligned: Full comment per line, ends aligned				
here: ➡➡	<ul> <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> </ul>				
	• 6 = multi-line: One comment for all lines, end on last commented line				
_					
Code Template	The <u>seed7-mode</u> supports a set of code keyword expansion to Seed7 statements with ability to jump to next field to fill with <u>tempo markers</u> and navigation to these fields to complete the template easily.				
expansion	<ul> <li>Code keyword expansion is performed by the seed7-complete-statement-or-indent command, bout to the <tab> key.</tab></li> <li>Type the keyword then type <tab> to expand the keyword into the corresponding code that will be properly indented.</tab></li> </ul>				
	There are 2 groups of supported keywords.				
	• 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.				
Top level or block	inc	include statement	for	for statement	
declarations.	const	constant declaration	foru	for-until statement	
Type the keyword at the beginning of the line	var proc	variable declaration	fors	for-step statement for-each statement	
	func	procedure declaration function declaration	fore foreu	for-each statement combined with an until condition	
and hit <tab> to expand the</tab>	funcs	short function declaration	forek	for-each-key statement	
corresponding code.	enum struct	enum type declaration struct type declaration	foreku fork	for-each-key statement combined with an until condition for-key statement	
	case	case statement	forku	for-key statement combined with an until condition	
	if	if statement	repeat	repeat - until statement	
	ife ifei	if statement with an else clause if statement with an elsif clause	while	while statement	
	ifeie	if statement with an elsif and an else clause			
Dorom star			oing neverthered:	pro use to expend the measurements of a least time.	
Parameter declarations	in The second group of key	words are expanded when the keyword precedes a clo Declaration of an in-parameter.	callbn	Declaration of a call-by-name parameter.	
Also expand with <tab></tab>	inout	Declaration of an <u>in-parameter</u> .  Declaration of an <u>inout-parameter</u> .	ref	Declaration of a <u>can-by-name parameter</u> .  Declaration of a <u>reference-parameter</u> .	
-cas/	invar	Declaration of an in-var-parameter.	val	Declaration of a value-parameter.	
Expand keyword or indent	<tab></tab>	(seed7-complete-statement-or-indent)		I code keyword properly located, this perform code expansion,	
			leaving point at the first location that must be filled.  In that case you can then type <backtab> to move to the next field that needs to</backtab>		
			be filled (or has alre buffer until the buff	eady been filled). Those are tempo markers that stay in the er is closed.	
	If point is located anywhere else indent the line or selected				
Move to next field	<backtab></backtab>	(tempo-forward-mark)	Move point to the nex	kt tempo marker, the next template field to fill.	

abbreviations  See also:  ∑ Abbreviations  Pragmas & instatement keywords  ;;; ;; ;; ;; ;; ;; ;; ;; ;; ;; ;; ;;	default).  All abbreviation and the The default list is significant. You can modify the These abbreviation commands. But you of course you caner To expand the abbreviation, period, command Use the list-abbrevs.	orts Seed7-specific abbreviation heir text expansion are set be hown below. All abbreviations default and add other abbreviations, ou don't need to since they create other abbreviations triations, the abbrev-mode ma, etc	by the seed7-abbreviations ons start with a semi-colon. reviations through customize treated specially by the ab can be modified by customichat help you write code or onust be active: type the abb ations ( <f11> a M-1 with in-statement in-statement in in-statement in in-statement in in</f11>	customizable user-opt ation. brev-mode in the sense zation. comments. See <u>E Abbrareviation followed by a</u> th PEL), including the fo	e that youcanngt modify them details related word-separating character, such liowing Seed7-specific ones.	dynamically via the abbrev-mode atted to abbreviations in Emacs. The list are shown in sorted order attement keywords downto exception local param range result step  otherwise when  rational reference ref_list set sqlStatement
abbreviations  See also:  National Abbreviations  Pragmas & instatement keywords  See also:  National Abbreviations  Pragmas & instatement keywords  See also:  National Abbreviations  Pragmas & instatement keywords  See also:  National Abbreviations  See also: Natio	default).  • All abbreviation and the The default list is single You can modify the These abbreviation commands. But you of course you can To expand the abbreviation, period, commands. Use the list-abbreviation with the These abbreviations of the These abbreviations of the These abbreviations, period, command the List-abbreviations of the These abbreviations of the These abbreviations, period, command t	heir text expansion are set be hown below. All abbreviations de default and add other abbreviations, ou don't need to since they create other abbreviations, the abbreviations to diations, the abbrev-mode na, etc  command to list all abbreviations the info library message names syntax system trace  catch  array  bigInteger  bigRational  bin32  bin64	by the seed7-abbreviations on start with a semi-colon. reviations through customize treated specially by the abb can be modified by customichat help you write code or conust be active: type the abbreviations ( <f11> a M-1 with in-statement in in-statement in in-statement in in-statement in in</f11>	customizable user-opt ation. orev-mode in the sense zation. omments. See <u>S Abbr</u> reviation followed by a  h PEL), including the followed keywords forward new noop raise return  lause keywords else elsif defined types database duration enum expr	ion list.  In that youcanngt modify them deviations for more details relaword-separating character, such in-middle states and in-middle states are in-middle	dynamically via the abbrev-mode atted to abbreviations in Emacs. In as <space>, <ret>, semi- The list are shown in sorted order attement keywords    downto</ret></space>
Pragmas & instatement keywords  ;; ;; ;; ;; ;; ;; ;; ;; ;; ;; ;; ;; ;	• To expand the abbrev colon, period, comma Use the list-abbrevs  pra ;de ;in ;ii ;msg ;na ;syn ;sys ;tr ;ct ;a ;bi ;br ;b3 ;b6 ;bt	viations, the abbrev-mode na, etc command to list all abbreviagmas decls info library message names syntax system trace  catch  array bigInteger bigRational bin32 bin64	nust be active: type the abb ations ( <f11> a M-1 with in-statement ;fo ;n ;no ;ra ;rt  block c ;e ;ei  pre-i ;db ;du ;en ;ex</f11>	h PEL), including the forward new noop raise return  lause keywords else elsif defined types database duration enum expr	word-separating character, successions Seed7-specific ones. In-middle states that the second seed seed seed seed seed seed seed se	ch as <space>, <ret>, semi- The list are shown in sorted order atement keywords  downto exception local param range result step  otherwise when  rational reference ref_list set</ret></space>
Block clause keywords  3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	;de ;in ;iin ;iii ;msg ;na ;syn ;sys ;tr ;ct ;a ;bi ;br ;b3 ;b6 ;bt	decls info library message names syntax system trace  catch  array bigInteger bigRational bin32 bin64	;fo ;n ;no ;ra ;rt  block c ;e ;ei  pre- ;db ;du ;en ;ex	forward new noop raise return  lause keywords else elsif defined types database duration enum expr	;dt ;exc ;lo ;pa ;rg ;rs ;st  ;o ;w  ;rat ;rf ;rfl ;s	downto exception local param range result step  otherwise when  rational reference ref_list set
Block clause keywords  Pre-defined types  ;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	;iin ;iii ;iii ;iii ;iii ;imsg ;ina ;syn ;sys ;tr ;ct ;ct ;a ;bi ;br ;b3 ;b6 ;bt	info library message names syntax system trace  catch  array bigInteger bigRational bin32 bin64	;n ;no ;ra ;rt  block of ;e ;ei  pre ;db ;du ;en ;ex	new noop raise return  lause keywords else elsif defined types database duration enum expr	;exc ;lo ;pa ;rg ;rs ;st ;o ;w ;rat ;rf ;rfl ;s	exception local param range result step  otherwise when  rational reference ref_list set
Block clause keywords  Pre-defined types  ;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	;li ;msg ;na ;syn ;sys ;tr ;ct ;a ;bi ;br ;b3 ;b6 ;bt	library message names syntax system trace  catch  array bigInteger bigRational bin32 bin64	;no ;ra ;rt  block c ;e ;ei ;db ;du ;en ;ex	noop raise return  lause keywords else elsif defined types database duration enum expr	;lo ;pa ;rg ;rs ;st ;o ;w ;rat ;rf ;rfl ;s	local param range result step  otherwise when  rational reference ref_list set
Block clause keywords  Pre-defined types  ;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	;msg ;na ;syn ;sys ;tr ;ct ;a ;bi ;br ;b3 ;b6 ;bt	message names syntax system trace  catch  array bigInteger bigRational bin32 bin64	jrt  block c  je  jei  pre-  jdb  jdu  jen  jex	raise return  lause keywords else elsif defined types database duration enum expr	;pa	param range result step  otherwise when  rational reference ref_list set
Block clause keywords ;;  Pre-defined types ;; ;; ;; ;; ;; ;; ;; ;; ;; ;; ;; ;; ;;	;na ;syn ;sys ;tr ;ct ;a ;bi ;br ;b3 ;b6 ;bt	names syntax system trace  catch  array bigInteger bigRational bin32 bin64	;rt  block c ;e ;ei  pre-c ;db ;du ;en ;ex	return  lause keywords  else elsif  defined types  database duration enum expr	;rg ;rs ;st ;o ;w ;rat ;rf ;rfl ;s	range result step  otherwise when  rational reference ref_list set
Slock clause keywords ;;  Pre-defined types ;; ;; ;; ;; ;; ;; ;;	;syn ;sys ;tr ;ct ;a ;bi ;br ;b3 ;b6	syntax system trace  catch  array bigInteger bigRational bin32 bin64	block of pre-displayed by the	else elsif defined types database duration enum expr	;rs ;st ;o ;w ;rat ;rf ;rfl ;s	result step  otherwise when  rational reference ref_list set
Block clause ceywords  Pre-defined types  ;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	;sys ;tr ;ct ;a ;bi ;br ;b3 ;b6	system trace  catch  array bigInteger bigRational bin32 bin64	;ei pre ;db ;du ;en ;ex	else elsif defined types database duration enum expr	;rs ;st ;o ;w ;rat ;rf ;rfl ;s	result step  otherwise when  rational reference ref_list set
Block clause ceywords ;;  Pre-defined types ;; ;; ;; ;; ;; ;; ;; ;;	;tr ;ct ;a ;bi ;br ;b3 ;b6	catch  array bigInteger bigRational bin32 bin64	;ei pre ;db ;du ;en ;ex	else elsif defined types database duration enum expr	;st ;o ;w ;rat ;rf ;rf! ;s	otherwise when  rational reference ref_list set
Block clause keywords ;;  Pre-defined types ;; ;; ;; ;; ;; ;; ;;	;ct ;a ;bi ;br ;b3 ;b6	catch  array bigInteger bigRational bin32 bin64	;ei pre ;db ;du ;en ;ex	else elsif defined types database duration enum expr	;o ;w ;rat ;rf ;rfl ;s	otherwise when  rational reference ref_list set
Block clause keywords ;;  Pre-defined types ;; ;; ;; ;; ;; ;; ;; ;;	;ct ;a ;bi ;br ;b3 ;b6	catch  array bigInteger bigRational bin32 bin64	;ei pre ;db ;du ;en ;ex	else elsif defined types database duration enum expr	;rat ;rf ;rfl ;s	rational reference ref_list set
keywords ;;  Pre-defined types ;; ;; ;; ;; ;; ;; ;; ;; ;; ;; ;; ;; ;;	;a ;bi ;br ;b3 ;b6	array bigInteger bigRational bin32 bin64	;ei pre ;db ;du ;en ;ex	else elsif defined types database duration enum expr	;rat ;rf ;rfl ;s	rational reference ref_list set
Pre-defined types ;; ;; ;; ;; ;; ;;	;a ;bi ;br ;b3 ;b6	array bigInteger bigRational bin32 bin64	;ei  ;db ;du ;en ;ex	elsif defined types database duration enum expr	;rat ;rf ;rfl ;s	rational reference ref_list set
34 31 31 31 31 31 31 31	;bi ;br ;b3 ;b6 ;bt	bigInteger bigRational bin32 bin64	;db ;du ;en ;ex	defined types database duration enum expr	;rat ;rf ;rfl ;s	rational reference ref_list set
34 31 31 31 31 31 31 31	;bi ;br ;b3 ;b6 ;bt	bigInteger bigRational bin32 bin64	;db ;du ;en ;ex	database duration enum expr	;rf ;rfl ;s	reference ref_list set
;; ;; ;; ;; ;; ;; ;;	;bi ;br ;b3 ;b6 ;bt	bigInteger bigRational bin32 bin64	;du ;en ;ex	duration enum expr	;rf ;rfl ;s	reference ref_list set
;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	;br ;b3 ;b6 ;bt	bigRational bin32 bin64	;en ;ex	enum expr	;rfl ;s	ref_list set
;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	;b3 ;b6 ;bt	bin32 bin64	;ex	expr	;s	set
;; ;; ;; ;; ;;	;b6 ;bt	bin64		<u> </u>		
; ; ; ;	;bt	-	;tı	file	;sq	salStatement
;; ;; ;;	<u></u>	bitset				Sqiotaterrient
;;			;fs	fileSys	;sti	string
;	<u></u>	boolean	;fl	float	;stu	struct
	;bs	bstring	;h	hash	;tx	text
;	;ca	category	;i	integer	;ti	time
	;c	char	;ob	object	;ty	type
;	;cf	clib_file	;pro	process	;v	void
	;co	color	;pr	program	;pw	PRIMITIVE_WINDOW
;	;cx	complex				
Pre-defined constants			pre-de	fined constants		
;	;em	empty	;f	FALSE	;inf	Infinity
			;t	TRUE		
Pre-defined variables	pre-defined variables					
;	;ck	CONSOLE_KEYBOARD	;sc	STD_CONSOLE	;sn	STD_NULL
	;gk	GRAPH_KEYBOARD	;se	STD_ERR	;so	STD_OUT
	;kb	KEYBOARD	;si	STD_IN		
Errinfo values			er	rinfo values		
Enimo values	;ok	OKAY_NO_ERROR	;dse	DESTROY_ERROR	;me	MEMORY_ERROR
	;ae	ACTION_ERROR	;fe	FILE_ERROR	;ne	NUMERIC_ERROR
	;ce	COPY_ERROR	;ge	GRAPHIC_ERROR	;oe	OVERFLOW_ERROR
	;cre	CREATE_ERROR	;ie	INDEX_ERROR	;re	RANGE_ERROR
	;dbe	DATABASE_ERROR	;ine	IN_ERROR		
,						
automatic Indentation	Unless explicitly disabled by setting the <b>seed7-auto-indent</b> user-option to nil, the <b><tab></tab></b> and <b><return></return></b> key perform syntax-aware automatic indentation of Seed7 code. The <b><return></return></b> key also supports the auto-fill-mode.  • The number of columns used for each indentation level is controlled by the <b>seed7-indent-width</b> user-option, which defaults to 2.  • Emacs can use hard tabs as appropriate when you activate the <b>indent-tabs-mode</b> . If it is off Emacs only uses space characters.  See the <b>\(\Sigma\) Indentation</b> page for more information related to indentation control and commands.					

Syntax-aware automatic Indentation	Unless explicitly disabled by setting the <b>seed7-auto-indent</b> user-option to nil, the <b><tab></tab></b> and <b><return></return></b> key perform syntax-aware automatic indentation of Seed7 code. The <b><return></return></b> key also supports the auto-fill-mode.  • The number of columns used for each indentation level is controlled by the <b>seed7-indent-width</b> user-option, which defaults to 2.  • Emacs can use hard tabs as appropriate when you activate the <b>indent-tabs-mode</b> . If it is off Emacs only uses space characters. See the <b>Endentation</b> page for more information related to indentation control and commands.			
Auto-fill-mode	The <u>seed7-mode</u> supports Emacs auto-fill-mode, useful when typing comments. See the <u>Emill/Justify</u> page and the <u>pel-comment-style</u> command above.			
Marking	The <u>seed7-mode</u> support specialized marking. It is also compatible with other Emancs native and package commands. See <u>S Marking</u> for more information.			
Mark current callable	C-M-h	(seed7-mark-defun)	Mark the current Seed7 function or procedure.  Put the mark at the end and point at the beginning.  If point is before or between 2 functions or procedure, mark the next one.	

Description	<u>Keystroke</u>	Function	<u>Note</u>		
Code Navigation	The seed7-mode supports syntax-aware procedure/function as well as block aware navigation commands  • PEL provides some extra key bindings to Emacs native navigation commands.  • The seed7-mode also supports imenu-compliant parsing which enables the ability to use a large set of navigation packages.  • See navigation by symbol definition in the Savigation page for more information.  • The seed7-mode navigation commands display the name and type of block found when the seed7-verbose-navigation user-option is turned on (set to t).				
Shift-Selection	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: <u>Shift-Selection</u> .  • <u>Shift selection</u> is supported by some navigation commands, not all. The following symbols are used to identify whether the command supports shifts selection:  • ↓ This command supports shift selection in GUI and terminal mode.  • ↓ This command supports shift selection only in GUI mode.  • ↓ This command supports shift selection in GUI mode and also in terminal mode under some conditions (described in the description cell for the command).  • ‡ This command does <b>not</b> support shift selection. Sometimes for this you can first set the mark before moving.  • 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).				
Move Point	The following sub-sections describe how to navigate across various types of textual and syntactical entities.				
• by <u>defun</u>	The commands move point by Seed7 function and procedure definitions.  In PEL:  The <f12> cursor key mappings use <up> and <down> to move to the beginning or end of the function, procedure or other blocks.  The <f6> cursor key mapping use <up> and <down> to move to the beginning or end of the function or procedure.  The <f6> cursor key mapping use <right> and <left> to move to the beginning or end of the next/previous function or procedure.  The advantage of the <f6> and <f12> key bindings is they support Shift-Selection for Emacs in terminal mode, as opposed to the key bindings that sue the Control key which can only support Shift-Selection when Emacs is running in Graphics mode.</f12></f6></left></right></f6></down></up></f6></down></up></f12>				
Backward to beginning of defun	• <f6> <up> • C-M-a • C-M-<home> • C-[ C-a • Esc C-a</home></up></f6>	(seed7-beg-of-defun &optional N SILENT DONT-PUSH-MARK)	Move backward to the beginning of a defun.  With ARG, do it that many times. Negative ARG means move forward to the ARGth following beginning of defun.  Prints the name of the function or procedure in the message area.  On successful move, you can move back to original position by typing M-`, <f6> or <f11> .  Supports Shift-Selection in graphics mode. <f6><up> supports it in terminal mode too.</up></f6></f11></f6>		
Forward to end of defun ♥	• <f6> <down>  • C-M-e • C-M-<end> • C-[ C-e • Esc C-e</end></down></f6>	(seed7-end-of-defun &optional N SILENT DONT-PUSH-MARK)	Move forward to next end of defun.  With argument, do it that many times. Negative argument -N means move back to Nth preceding end of defun.  Prints the name of the function or procedure in the message area.  On successful move, you can move back to original position by typing M-`, <f6> <f6> or <f11> .  Supports Shift-Selection in graphics mode. <f6><down> supports it in terminal mode too.</down></f6></f11></f6></f6>		
Forward to start of next defun	<f6> <right></right></f6>	(seed7-beg-of-next-defun &optional N SILENT DONT-PUSH-MARK)	Move forward to the beginning of the next function or procedure.  • With optional argument N, repeat the search that many times.  • Move back to previous position with M-`, <f6> <f6> or <f11> .  • Supports Shift-Selection.</f11></f6></f6>		
Backward to end of previous define  with will be replaced	<f6> <left></left></f6>	(pel-end-of-previous-defun &optional SILENT DONT-PUSH_MARK)	Move backwards to the end of the previous function definition.  Issue user error not find end of previous function unless SILENT is non-nil.  If the end of previous function is found, push the start location to the mark ring unless DONT-PUSH_MARK is non-nil.  Move back to previous position with M-`, <f6> <f6> or <f11> .  Supports Shift-Selection.</f11></f6></f6>		
Forward to end of current block statement	<f12> <down></down></f12>	(seed7-to-block-forward)	Move forward from the beginning of a Seed7 block to its end.  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.  Move back to previous position with M-`, <f6> <f6> or <f11>.  Supports Shift-Selection.</f11></f6></f6>		
Backward to beginning of current block statement	<f12> <up></up></f12>	(seed7-to-block-backward)	Move backward from the end of a Seed7 block to its beginning.  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.  Move back to previous position with M-`, <f6> <f6> or <f11> .  supports Shift-Selection.</f11></f6></f6>		
Compilation	The Seed7 source code is either interpreted or compiled. In both cases you can verify it's 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	<f12> c</f12>	(seed7-compile &optional COMPILE)	Static check current Seed7 file, show errors in compilation-mode buffer.  • If optional COMPILE argument set, compile the file to executable instead.		
See <u>See Compilation</u> Mode	<ul> <li>For example: type C-u <f12> c for compiling the file. Without the C-u prefix it just static checks the file, an operation that is much faster.</f12></li> <li>The static analysis is performed by the command identified by the seed7-checker user-option, which defaults to s7-check.</li> <li>You can specify any command with or without its path.</li> <li>The compilation is performed by the command identified by the seed7-compiler user-option, which defaults to s7c.</li> <li>You can specify any command with or without its path.</li> <li>Any detected error is shown in a *compilation* <u>F Compilation Mode</u> buffer. Use it to navigate to the line of the code in error.</li> </ul>				

## Emacs & Seed7 — References

Document	Notes		
The Seed7 Programming Language	Seed7 @ Wikipedia     Seed7 Home     Seed7 Language Reference     Seed7 @ Github		
	Seed7 @ reddit     Seed7 @ Rosetta code		
Presentations	The Seed7 Programming Language @ Youtube     The Seed7 Programming Language Presentation at CPP Vienna @ Youtube     Another speech about the Seed7 Programming Language		
	Modern Extensible Languages. Daniel Zingaro, McMaster U. April 11, 2007 (pdf)		
Emacs support 🚧 is partial, not yet completed.	seed7-mode @ Github		
Other tools that support Seed7	<ul> <li>ripgrep a very fast grep replacement - supports seed7 file types with this pull request accepted April 7 2025</li> <li>With this version of ripgrep, you can use deadgrep to identify Seed7 files by name in Emacs. See Sep ugrep another very fast grep replacement - supports seed7 files with this pull request.</li> </ul>		