




Hide/Show Code Blocks & Selective Display

Operation	Keystroke	Function	Note																																									
HideShow Minor Mode	<p>When working with source code files, you can use the Hide/Show minor mode to collapse and expand blocks of code, where the concept of “<i>block of code</i>” depends on the specific programming language. For example C-like programming language use braces to delimit blocks, while in Lisp languages use parentheses for all blocking.</p> <ul style="list-style-type: none">When a block is hidden (collapsed) it is replaced by “...” surrounded by the block delimiter of the specific programming language. <p>👉 The PEL commands below are all invoked via the <f11> / key prefix and can be used anytime since they activates the Hide/Show mode if it is not already active. This is not so for the standard Emacs commands bound to the C-c @ key prefix: for those you must activate the Hide/Show mode explicitly to activate the key prefix.</p> <p>👉 Once the Hide/Show minor mode is active the mode-line will show “hs” and the C-c @ key prefix is available. If you want to restore everything in view, turn the mode and remove availability of the C-c @ key prefix turn the mode off. PEL provides the <f11> // key for that (it also activates the mode).</p> <p>👉 This is not limited to C-like or Lisp-like programming languages. It works with Python and most other programming languages.</p> <p>👉 You may want to hide comments as well when collapsing code: you can use <f11> ; ~ to toggle visibility of comments, see Σ Comments table for more info on this.)</p>																																											
HideShow Hydra	<p>Using the PEL HideShow Hydra</p> <p>📦🔗 PEL provides a Hide/Show Hydra when pel-use-hydra user option is set to t. Activate this hydra with the <f7> / key prefix. Once this hydra is active, you can then type any of the keys in the hydra without having to type the <f7> / prefix again and so until you terminate the hydra by typing either <f7> or the q key. While active the hydra displays the menu shown below.</p>																																											
	<table><tr><th>Hide/Show</th><th>levels:</th><th></th><th></th><th></th><th></th></tr><tr><td>Show</td><td>Hide</td><td>Hide Blocks</td><td colspan="2">Hide Blocks below current level</td><td>End</td></tr><tr><td>-----</td><td>-----</td><td>-----</td><td colspan="2">-----</td><td>-----</td></tr><tr><td>/: all</td><td>h: block</td><td>1: 1 & +</td><td colspan="2"><C-up>: +1</td><td>q: cancel</td></tr><tr><td>s: block</td><td>H: all</td><td>2: 2 & +</td><td colspan="2"><C-down>: -1</td><td><f7>: cancel</td></tr><tr><td>S: all</td><td></td><td>3: 3 & +</td><td colspan="2"></td><td></td></tr><tr><td></td><td></td><td>4: 4 & +</td><td colspan="2"></td><td></td></tr></table>			Hide/Show	levels:					Show	Hide	Hide Blocks	Hide Blocks below current level		End	-----	-----	-----	-----		-----	/: all	h: block	1: 1 & +	<C-up>: +1		q: cancel	s: block	H: all	2: 2 & +	<C-down>: -1		<f7>: cancel	S: all		3: 3 & +						4: 4 & +		
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S: all		3: 3 & +																																										
		4: 4 & +																																										
Toggle Hide/Show Minor Mode	<f11> / /	(hs-minor-mode &optional ARG)	Toggle Hide/Show minor mode to selectively hide/show code and comment blocks.																																									
Show (expand) all blocks in buffer	<ul style="list-style-type: none"><f11> / s<f7> / s<f7> / /C-c @ C-M-sC-c @ C-a	(pel-show-all) (hs-show-all)	Show all blocks.																																									
Hide (collapse) all blocks in buffer	<ul style="list-style-type: none"><f11> / H<f7> / HC-c @ C-M-hC-c @ C-t	(pel-hide-all) (hs-hide-all)	Hide all top level blocks, displaying only first and last lines.																																									
Hide (collapse) current block	<ul style="list-style-type: none"><f11> / h<f7> / hC-c @ C-hC-c @ C-d	<ul style="list-style-type: none">(pel-hide-block &optional END)(hs-hide-block &optional END)	Select a block and hide it.																																									
Show (expand) current block	<ul style="list-style-type: none"><f11> / s<f7> / sC-c @ C-s	<ul style="list-style-type: none">(pel-show-block &optional END)(hs-show-block &optional END)	Select a block and show it.																																									
Toggle visibility of all blocks in buffer	<ul style="list-style-type: none"><f11> / a<f7> / a	(pel-toggle-hide-all)	Toggle hide/show of all blocks.																																									
Toggle visibility of current block	<ul style="list-style-type: none"><f11> / b<f7> / bC-c @ C-cC-c @ C-e	<ul style="list-style-type: none">(pel-toggle-hide-block)(hs-toggle-hiding)	Toggle hide/show of current block.																																									
Hide all blocks 1 level below current block	<ul style="list-style-type: none"><f11> / 1<f7> / 1	(pel-hide-level-1)	Hide all blocks 1 level below the current block.																																									
Hide all blocks 2 level below current block	<ul style="list-style-type: none"><f11> / 2<f7> / 2	(pel-hide-level-2)	Hide all blocks 2 level below the current block.																																									
Hide all blocks 3 level below current block	<ul style="list-style-type: none"><f11> / 3<f7> / 3	(pel-hide-level-3)	Hide all blocks 3 level below the current block.																																									
Hide all blocks 4 level below current block	<ul style="list-style-type: none"><f11> / 4<f7> / 4	(pel-hide-level-4)	Hide all blocks 4 level below the current block.																																									
Hide all blocks N levels below this block.	C-u n C-c @ C-1	(hs-hide-level ARG)	Hide all blocks ARG levels below this block.																																									
Hide one more extra level below current level	<ul style="list-style-type: none"><f11> / <C-up><f7> / <C-up>	(pel-hs-hide-block-below-inc)	Hide all blocks of 1 more level deep below this block level of point.																																									
Hide one less level below current level	<ul style="list-style-type: none"><f11> / <C-down><f7> / <C-down>	(pel-hs-hide-block-below-dec)	Hide all blocks of 1 less level deep below the block level of point.																																									
Selective Display	As stated in the Emacs manual: “Emacs has the ability to hide lines indented more than a given number of columns. You can use this to get an overview of a part of a program.																																											
Set/clear selective display of lines with indentation >= n	C-x \$	(set-selective-display ARG)	Set ‘selective-display’ to ARG; clear it if no arg.																																									

Operation	Keystroke	Function	Note
Start selective display Hydra	<f7> C-x \$	pel-⌘hide-indent	<div>  With PEL, when pel-use-hydra is set to t, this key starts a <u>hydra</u> to manage selective display and easily move the selective display column left or right with the cursors by column or indentation level, to stop it (0), to hide most lines (1) and to highlight the right-most visible column (). The hydra menu that appears in the minibuffer when the hydra is active is shown below. <ul style="list-style-type: none"> You can execute other commands while this hydra is active. Terminate the Hydra by typing the <f7> key again. </div>
		<div> <div> Selective Display: By Column <div> <div><right>: +1</div> <div><left>: -1</div> <div>0: unhide</div> <div>1: hide at 1</div> </div> </div> <div> By Indent <div> <div>S<right>: +indent</div> <div>S<left>: -indent</div> </div> </div> </div> <div> <div>Show</div> <div> : rightmost visible limit</div> </div> <div> <div>End</div> <div><f7>: cancel</div> </div>	
Hide/Show Comments (See also: ⌘Comments)			<div> The <code>hide-cmnt</code> file, written by Drew Adams, provides the following commands to quickly hide/show the comments in a buffer. <ul style="list-style-type: none"> PEL provides binding for these 2 commands, but the file must be installed manually copied in a directory the is in your Emacs load path. <ul style="list-style-type: none"> You can download the file from the hide-comnt.el EmacsWiki link or from the hide-count EmacsMirror. They should contain the exact same code. 👉 These are very useful to see a list of methods without all comments when you also use the Hide/Show Mode commands (see ⌘ Hide/Show Code table). <div>  Both of these commands require the <code>hide-comnt.el</code> package (see above).  PEL activates it when the <code>pel-use-hide-comnt</code> user option is t. </div> </div>
Toggle display of comments in buffer or active region	<f11> ; ;	(hide/show-comments-toggle &optional START END)	Toggle hiding/showing of comments in the active region or whole buffer. <ul style="list-style-type: none"> If the region is active toggle in the region, otherwise, in the whole buffer.
Show (or hide) comments in buffer	<f11> ; h	(hide/show-comments &optional HIDE/SHOW START END)	Hide or show comments in buffer or active region. <ul style="list-style-type: none"> Hide if no argument. To show, use any prefix argument (any of the C-u, M- -, M-0 to M-9 will do). If a region is active the command applies to the active region, otherwise it applies to the entire or narrowed buffer. Uses ‘save-excursion’, restoring point. Option ‘show-invisible-comments-shows-all’: <ul style="list-style-type: none"> If non-nil then using this command to show invisible text shows *ALL* such text, regardless of how it was hidden. IOW, it does not just show invisible text that you previously hid using this command. If nil (the default value) then using this command to show invisible text makes visible only such text that was previously hidden by this command. (More precisely, it makes visible only text whose ‘invisible’ property has value ‘hide-comment’.)

Hide/Show Code Blocks — References

Topic & Link	Description
GNU Emacs Manual - Hideshow minor mode	Emacs section that describes the Hide/Show minor mode.
GNU Emacs Manual - Selective Display	Description of the selective display feature.