Hide/Show Code Blocks & Selective Display

Operation	Keystroke	Function	Note
HideShow Minor Mode		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 "*block of code*" 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. • When a block is hidden (collapsed) it is replaced by "…" surrounded by the block delimiter of the specific programming language. ☝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. ☝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). ☝This is **not** limited to C-like or Lisp-like programming languages. It works with Python and most other programming languages. ☝You may want to hide comments as well when collapsing code: you can use `<f11>  ;  ~` to toggle visibility of comments, see ∑ Comments table for more info on this.)	

Toggle Hide/Show Minor Mode	`<f11> / /`	**(hs-minor-mode** &optional ARG)	Toggle Hide/Show minor mode to selectively hide/show code and comment blocks.
			• With a prefix argument ARG, enable the mode if ARG is positive, and disable it otherwise.
			• When hideshow minor mode is on:
			  • The menu bar is augmented with hideshow commands and the hideshow commands are enabled.
			  • The line-mode shows 'hs'.

Toggle visibility of all blocks in buffer	`<f11> / a`	**(pel-toggle-hide-all)**	Toggle hide/show of all blocks. • Activates the Hide/Show mode if not already active (and hide all blocks)
Toggle visibility of current block	• `<f11> / b` • `C-c @ C-c` • `C-c @ C-e`	• **(pel-toggle-hide-block)** • **(hs-toggle-hiding)**	Toggle hide/show of current block.
Hide (collapse) current block	• `<f11> / h` • `C-c @ C-h` • `C-c @ C-d`	• **(pel-hide-block** &optional END) • **(hs-hide-block** &optional END)	Select a block and hide it. • With prefix arg, reposition at END.
Show (expand) current block	• `<f11> / s` • `C-c @ C-s`	• **(pel-show-block** &optional END) • **(hs-show-block** &optional END)	Select a block and show it. • With prefix arg, reposition at END.
Hide (collapse) all blocks in buffer	• `<f11> / H` • `C-c @ C-M-h` • `C-c @ C-t`	**(pel-hide-all)** **(hs-hide-all)**	Hide all top level blocks, displaying only first and last lines.
Show (expand) all blocks in buffer	• `<f11> / S` • `C-c @ C-M-s` • `C-c @ C-a`	**(pel-show-all)** **(hs-show-all)**	Show all blocks.
Hide all blocks 1 level below current block	`<f11> / 1`	**(pel-hide-level-1)**	Hide all blocks 1 level below the current block. ☝ Useful in language like Python to show the methods of a class.
Hide all blocks 2 level below current block	`<f11> / 2`	**(pel-hide-level-2)**	Hide all blocks 2 level below the current block.
Hide all blocks 3 level below current block	`<f11> / 3`	**(pel-hide-level-3)**	Hide all blocks 3 level below the current block.
Hide all blocks 4 level below current block	`<f11> / 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-l`	**(hs-hide-level** ARG)	Hide all blocks ARG levels below this block. • Like all other commands that take a numeric argument, the numeric argument (shown in the keystroke column as `C-u  n`, can also be typed with the `M-number`)
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. • To hide lines in the current buffer, type C-x $ (set-selective-display) with a numeric argument n. Then lines with at least n columns of indentation disappear from the screen. The only indication of their presence is that three dots ('...') appear at the end of each visible line that is followed by one or more hidden ones. • The commands C-n and C-p move across the hidden lines as if they were not there. • The hidden lines are still present in the buffer, and most editing commands see them as usual, so you may find point in the middle of the hidden text. When this happens, the cursor appears at the end of the previous line, after the three dots. If point is at the end of the visible line, before the newline that ends it, the cursor appears before the three dots. • To make all lines visible again, type C-x $ with no argument."	
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. • When the value of 'selective-display' is a number > 0, lines whose indentation is >= that value are not displayed. • The variable 'selective-display' has a separate value for each buffer. ☝This command also works with text files.
Hide/Show Comments (See also: ∑Comments)		The hide-cmnt file, written by Drew Adams, provides the following commands to quickly hide/show the comments in a buffer. • 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. • 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). 📦 Both of these commands require the hide-comnt.el package (see above). 🎛PEL activates it when the pel-use-hide-comnt user option is **t**.
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. • If the region is active toggle in the region, otherwise, in the whole buffer.

Operation	Keystroke	Function	Note

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.
			• 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':
			  • 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.