








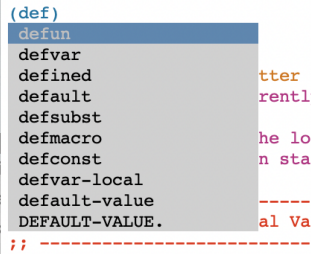



Description	Keystroke	Function	Note
<div>Other completion at point engines</div> <div></div>	PEL dynamically activate either <code>auto-complete-mode</code> , <code>company-mode</code> and <code>corfu</code> for one or all buffers through commands accessible via the <code><f11> c</code> prefix. <ul style="list-style-type: none"> You must first select witch one should be available via PEL customization:<ul style="list-style-type: none">Set pel-use-auto-complete to <code>t</code> to enable the ability to use <code>auto-complete-mode</code>.Set pel-use-company user option to <code>t</code> to enable the ability to use <code>company-mode</code>.When pel-init is executed, the commands made available depend on the section made by customization of PEL but also of the two modes. Then the corresponding commands listed in the sections below are available. PEL's auto-completion support implementation is not yet completed. For now just standard hooks are setup, but not for all programming languages. Support for each programming language is described in the language specific page.		
<div>Explicitly List Completion Candidates with the currently active auto completion system</div> <div><ul style="list-style-type: none">Use <code>auto-complete</code> or <code>company-mode</code>, whichever that is currently active globally or in the buffer.</div>	<ul style="list-style-type: none"><code><f11> c c</code><code>M-1</code>	(pel-complete)	<div>List completion candidates. There must be at least 1 character preceding point.</div> <ul style="list-style-type: none">Force auto-completion of text at point, don't wait for timeout, using the currently active auto-completion system (either <code>auto-complete-mode</code> or <code>company-mode</code>). <div><ul style="list-style-type: none">If no auto completion system is active in the current buffer, the command issues an error. <code>M-1</code> default binding is to downcase-word. PEL rebinds this key <code>company-mode</code> is activated via customization and <code>company-mode</code> is active. With PEL, the <code>M-1</code> key is close to the <code>M-/</code> key, bound to the command used for abbreviation expansions. It becomes easy to use either.</div>
<div>Completion Menu keys</div> <div><ul style="list-style-type: none">Auto-completion Menu OperationsCompany-Mode Menu Operations</div> <div>See also: ↗ Scrolling</div>	<div>When an completion pop-up menu generated either by <code>auto-complete</code> or <code>company-mode</code> is shown, you can use the following keys for operating on that menu:</div> <div><ul style="list-style-type: none"><code>M-n</code> : next candidate (or <code><down></code> cursor)<code>M-p</code> : previous candidate (or <code><up></code> cursor)<code>M-1</code>, <code>M-2</code>, <code>M-3</code>, etc...: select candidate by line number<code><tab></code> : complete using 1 candidate (if 1 choice), using the prefix part among many candidates, or cycle through all candidates.<code></code> : Delete 1 char of the current candidate prefix<code><RET></code> : Select current candidate, execute action for candidate if any (eg. when template selection used)<code>C-?</code> : Show candidate help in separate buffer<code><f1></code> : Show candidate help in separate buffer.  This is very handy to quickly review documentation of several symbols!<code>C-M-v</code> : Scroll help buffer forward (note: see the ↗ Scrolling table for more info on scrolling)<code>Esc <PgDown></code> : Scroll help buffer forward<code>C-M-S-v</code> : Scroll help buffer backward<code>Esc <Pg-up></code> : Scroll help buffer backward<code>C-g</code> : Stop completion</div>		
auto-complete	<div>Auto-Complete is one of the auto completion package for Emacs supported by PEL.</div> <div> Requires the auto-complete package  that PEL supports if the pel-use-auto-complete customization variable is set to <code>t</code>.</div> <div>Once activated by customization with PEL you can then activate it globally and/or control whether it is available for the current buffer, using the following commands.</div> <div><ul style="list-style-type: none"> The pel-init function will install Auto-Complete from the MELPA archive if it is not already present. You may want to use another version (such as the one from MELPA stable). Just install it before customizing to use it and executing pel-init. This is an early version of PEL. Future versions of PEL will integrate logic to support use of Auto-Complete for more programming languages and systems (like templating package). For now PEL only incorporates the basic configuration of Auto-Complete provided by its ac-config-default function.Auto-complete provides the following customizable variables (and several others):<ul style="list-style-type: none">ac-use-quick-help : set to <code>t</code> to activate a quick pop-up help display that shows right beside the menu choice.ac-quick-help-delay : delay before the quick help pops up. Default is 1.5 seconds.</div> <div>PEL provides access to the auto-complete commands via the commands below.</div> <div><div>When invoked through the <code><f11> c c</code> or <code>M-1</code> key bindings in a buffer that is set for it, auto-complete pops a drop-down menu similar to the one shown here.</div><div><pre>(def) defun defvar defined default defsubst defmacro defconst defvar-local default-value DEFAULT-VALUE. ;; -----</pre></div></div>		
company-mode	<div>Company-Mode is the other auto completion package supported by PEL.</div> <div> Requires the company-mode external package  that PEL activates when the pel-use-company customization variable is set to <code>t</code>.</div> <div><div>When invoked through the <code><f11> c c</code> or <code>M-1</code> key bindings in a buffer that is set for it, company-mode pops a drop-down menu similar to the one shown here. The menu identifies the type of target.</div><div><pre>;; (def) f def-edebug-elem-spec k def-edebug-spec k defadvice f defalias f default-boundp f default-file-modes f default-font-height f default-font-width f default-indent-new-line f default-line-height</pre></div></div>		
corfu	<div><pre>(defn) defun defvar defface defmath defalias defclass defconst defgroup defhydra defimage</pre></div>		

Auto-completion — References

Document	Note
Basic Auto Completion	GNU Emacs Manual - Completion for Symbol Names
Auto Completion with Auto-Complete	
Auto Complete @ MELPA	You can get auto-complete from MELPA. An interesting point of this page lists the other packages that need auto-complete. There's over 45 packages that use it for various programming languages and environments.
Auto Complete @ GitHub	Auto complete source code
Auto Complete Manual @ Github	Covers installation, check, features, concepts, configuration, advanced usage. Reading required for users.
Using Emacs: 8 - Auto-complete @ Youtube	Mike Zamansky video that covers abbreviation and auto-complete. Duration: 5 minutes.
Using Emacs: 45- Company or Autocomplete @ Youtube	Another video from Mike Zamansky that covers both auto-complete and company-mode. Duration: 13 minutes.
Auto Completion with Company-mode	
company-mode ; Modular in-buffer completion framework for Emacs	Text completion framework for emacs
Using digits to select company-mode candidates @ (or emacs irrelevant)	