Emacs support for Python 🚧

Description	Keystroke	Function	Note
Python Support	Python support is not yet fully implemented not documented. This will be done, but later.		
Start Python shell (See Also: ∑ Shells)	`<f11> x p`	(**run-python** &optional CMD DEDICATED SHOW)	Run an inferior Python process. • Argument CMD defaults to 'python-shell-calculate-command' return value. When called interactively with 'prefix-arg', it allows the user to edit such value and choose whether the interpreter should be DEDICATED for the current buffer. When numeric prefix arg is other than 0 or 4 do not SHOW. • For a given buffer and same values of DEDICATED, if a process is already running for it, it will do nothing. This means that if the current buffer is using a global process, the user is still able to switch it to use a dedicated one.
Customize PEL Python Support (See also: ∑ Customize)	• `<f11> <f1> SPC p` • `<f12> <f1>`	(**pel-cfg-pkg-python** &optional OTHER-WINDOW)	Customize PEL Python support. • If OTHER-WINDOW is non-nil (use **C-u**), display in another window. • The `<f12> <f1>` binding is available when point is in a buffer visiting a Python file.
Highlighting blocks	The following commands can be used to activate or toggle useful modes to highlight blocks of (), {}, and []. • show-paren-mode, which highlights the parens that matches the one before or after point. • rainbow delimiters mode, where matching nested parens are highlighted with the same colour.		
Toggle show-paren mode on/off (see also: ∑ Highlight)	• `<f12> M-9` • `<M-f12> M-9` • `<f11> b h (`	(**show-paren-mode** &optional ARG)	Toggle visualization of matching parens (Show Paren mode). • With a prefix argument ARG, enable Show Paren mode if ARG is positive, and disable it otherwise. • Show Paren mode is a global minor mode. When enabled, any matching parenthesis is highlighted in 'show-paren-style' after 'show-paren-delay' seconds of Emacs idle time.
Enable/Disable coloured highlight of nested blocks (),{},[] (see also: ∑ Highlight)	• `<f12> M-r` • `<M-f12> M-r` • `<f11> b h R`	(**rainbow-delimiters-mode** &optional ARG)	Highlight nested parentheses, brackets, and braces with different colours according to their depth. • Customize the depth and colours with **M-x customize-group rainbow-delimiters** 📦 **Requires:** rainbow-delimiters.el PEL activates this when the **pel-use-rainbow-delimiters** customize variable is set to **t**.

Emacs & Python — References

Document	Notes
Emacs - The Best Python Editor?	
emacs-for-python	
Python indentation	
Python code Indentation	
Elpy - Emacs Python Development Environment	
Python shell prompts not detected @ Github	**Windows-related problem** description, and description of a fix (which I have implemented in my init.el). Fixing that does not solve everything under Windows, and there is another issue, listed in the following lines.
'python-shell-interpreter' doesn't seem to support readline	**Windows-related problem** description, stating that "native" completion does not work on Windows and that we should add "python" to the list of python-shell-completion-native-disabled-interpreters in emacs.
Elpy seems partially incompatible with Emacs 25's 'native completion' feature	**Windows-related problem** description: elpy-issue-887: describes that it cannot be fixed on Windows and that emacs 26 will disable the warning (using the method described above).
GNU bug report logs - #28580 **[w32] python.el: native completion setup failed**	**Windows-related problem** description. Same problem.
PTY - Pseudo terminal @ wikipedia	Description of the PTY/pseudoterminal concept.
pyreadline-ais	Note that by installing pyreadline-ais, the problem remains in emacs.
Python - elpy.el	
company-mode ; Modular in-buffer completion framework for Emacs	