ubuntu

gedit developer plugins

Configuring and extending gedit for development

What is gedit?

ubuntu

- gedit is a simple text editor
- with support for syntax highlighting
- that can be extended for new uses

See https://live.gnome.org/Gedit

gedit plugins

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- gedit supports plugins to add new features
- gedit ships with plugins to help power-users
- The gedit-plugins package for provides tools to help developers
- Many developers provide extra plugins for specific development

See http://live.gnome.org/Gedit/Plugins

Installing plugin packges

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- Using Software Center
  - search gedit plugins
  - Show technical items
  - install gedit-plugins, gedit-developer-plugins
- Edge and bleeding edge archives provide fixes and features several weeks ahead of Ubuntu universe
  - ppa:sinzui/ppa
  - ppa:sinzui/gdp-unstable

Configuring gedit views

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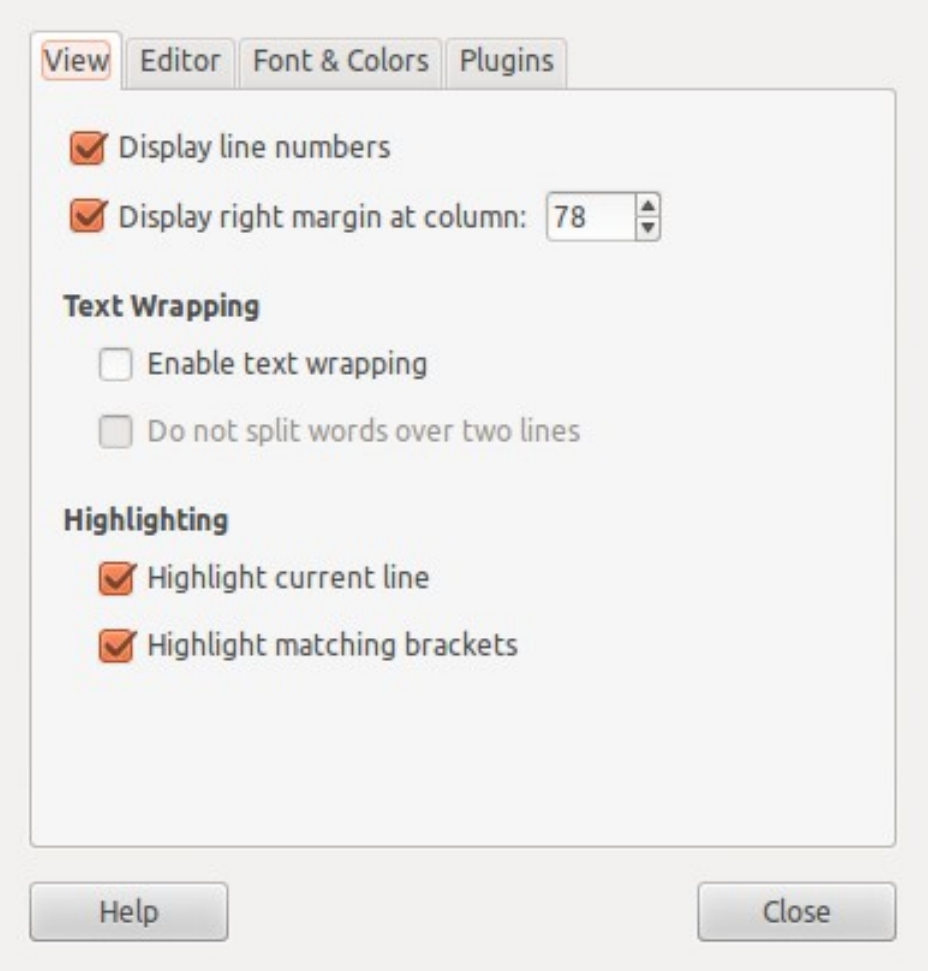
- Edit > Preferences > View
- View margin and line numbers
- Highlight the line and matching bracket
- Disable text wrapping



Configuring gedit editor

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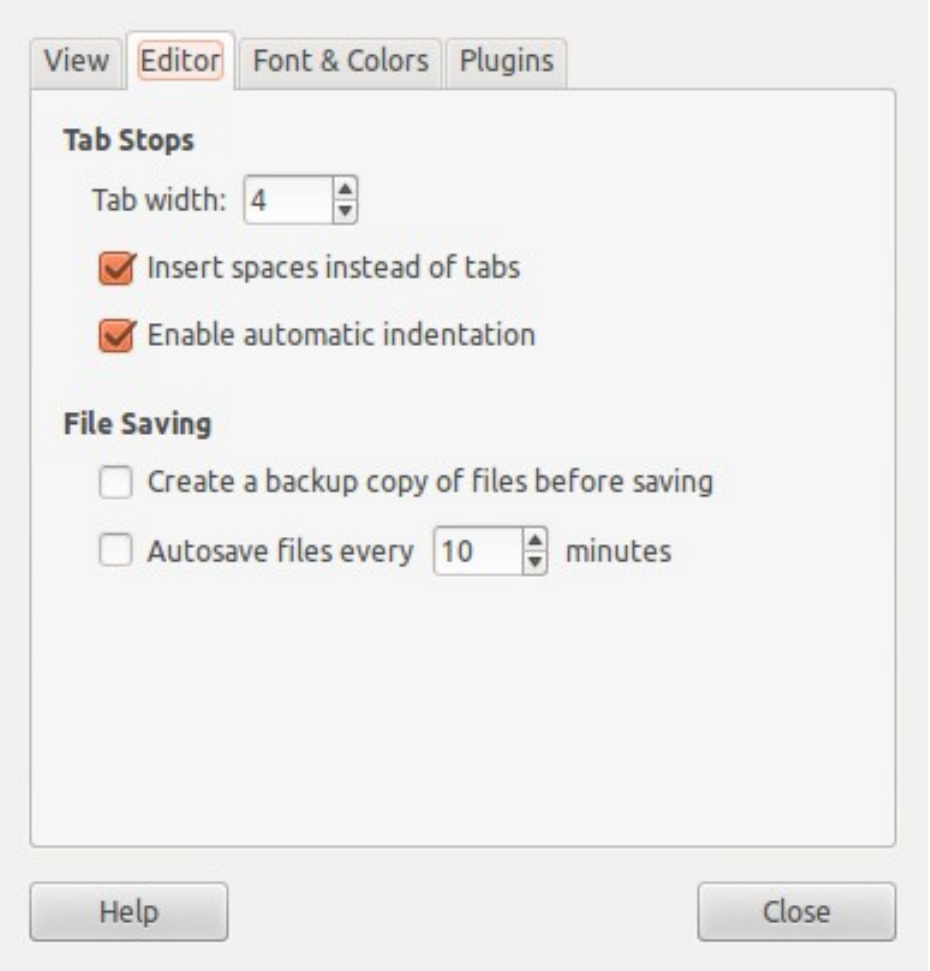
- Edit > Preferences > Editor
- Set the tab width to 4 or 8 spaces per the project you are working on
- Insert spaces instead of tabs
- Enable automatic indentation



Configure gedit plugins

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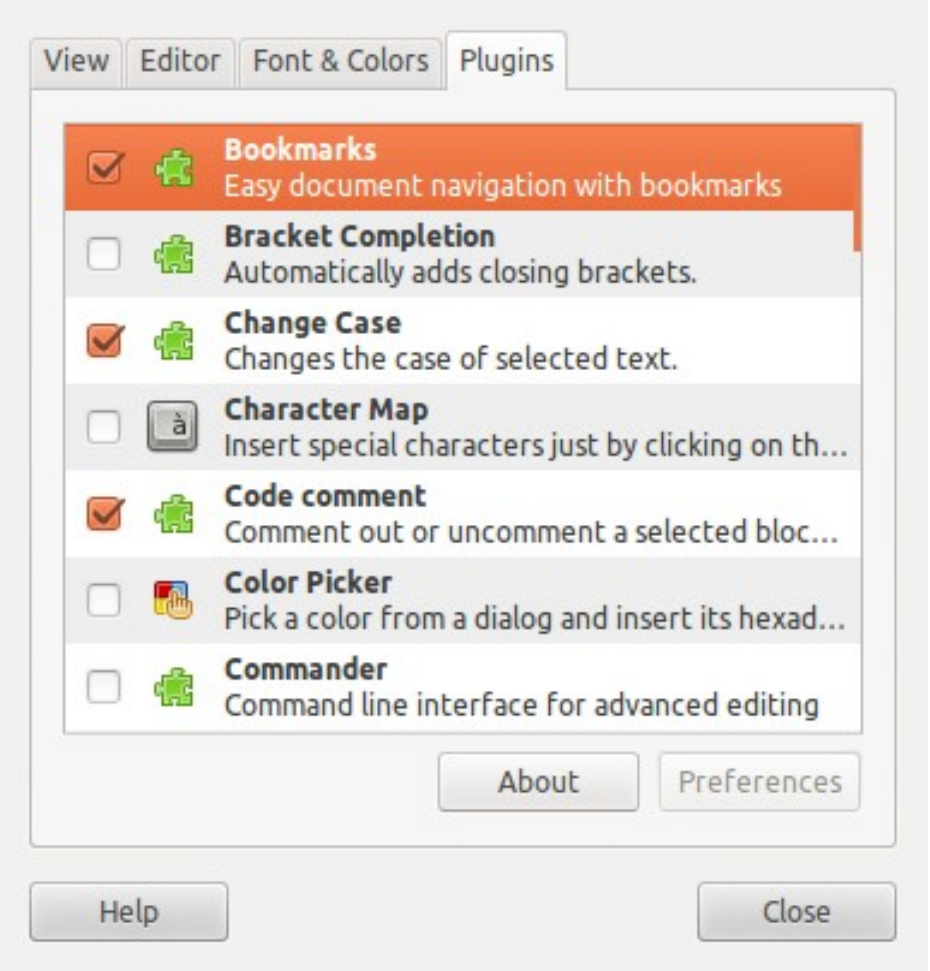
- Edit > Preferences > Plugins
- Enable: Bookmarks, Code comment, Draw spaces, File browser, panel, GDP Bazaar integration, GDP Find, GDP Format, GDP Syntax, Completer, Modelines, Snippets, Sort, Spell Checker



Draw spaces plugin

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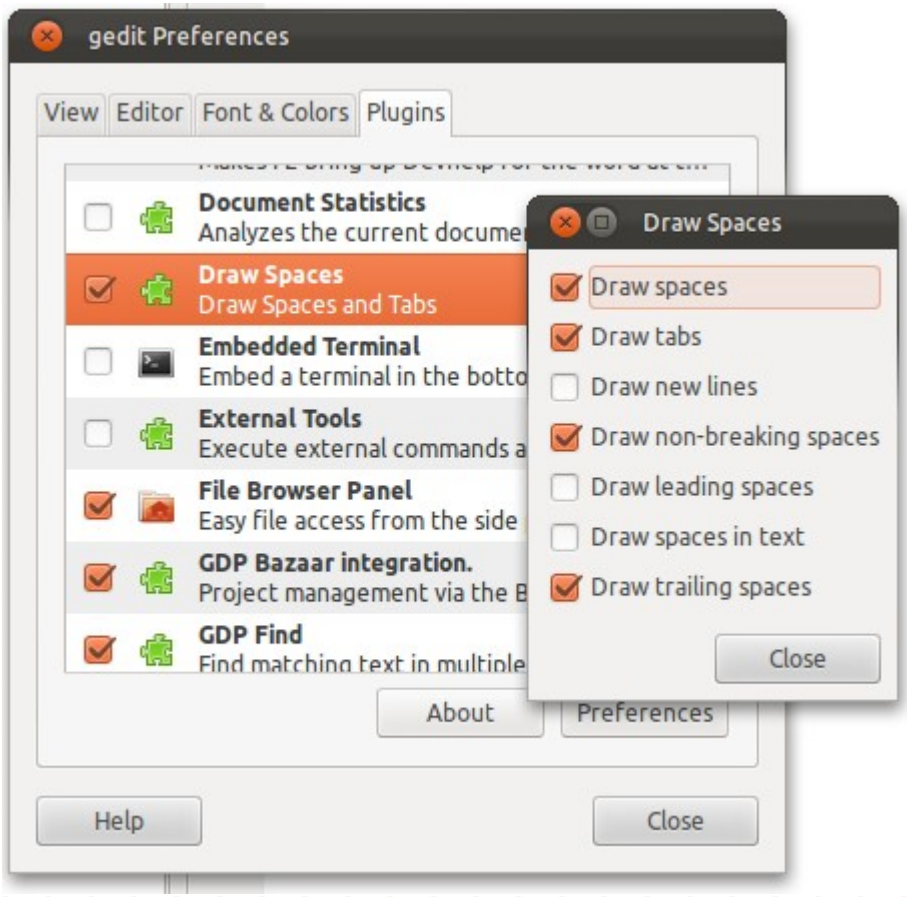
- Use the Preferences button in the Plugins tab to set the kinds of white-space you want to see:
- Enable/disable the plugin using Menu > View > Show white space



Status bar

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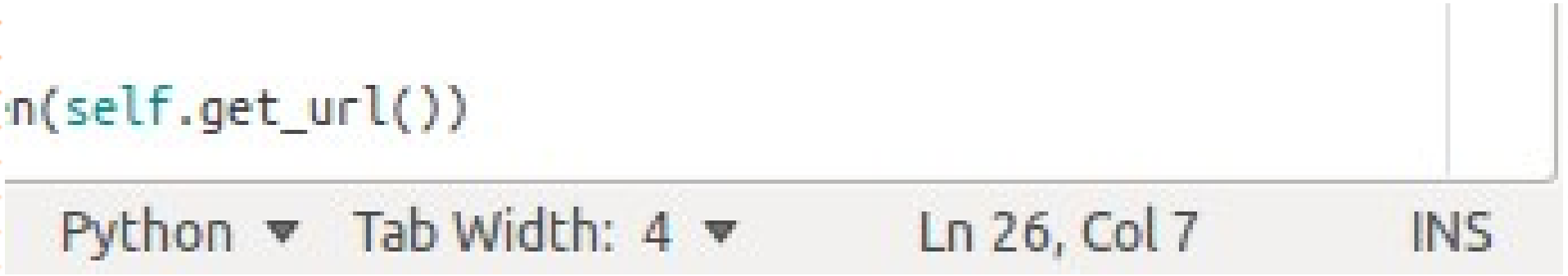
- Gedit usually sets the language and tabs correctly, but if is wrong, you can fix it using the status bar
  - Change the language to set the highlighting and syntax completion rules
  - Change the tabs width



GDP Syntax completer

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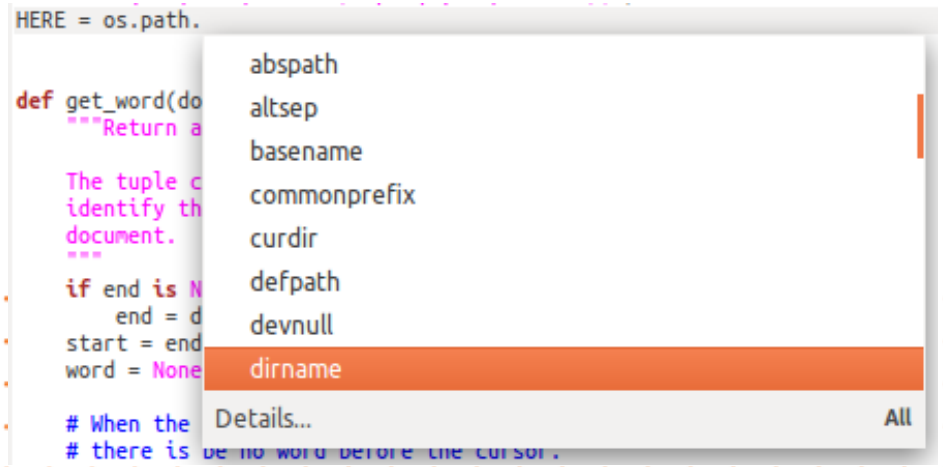
- Use Alt+/ to view a list of candidates to replace the typed text
  - Python identifiers
  - Open or used xml tags
  - Words in the document
- Details shows the documentation for the candidate



Open files and file browser

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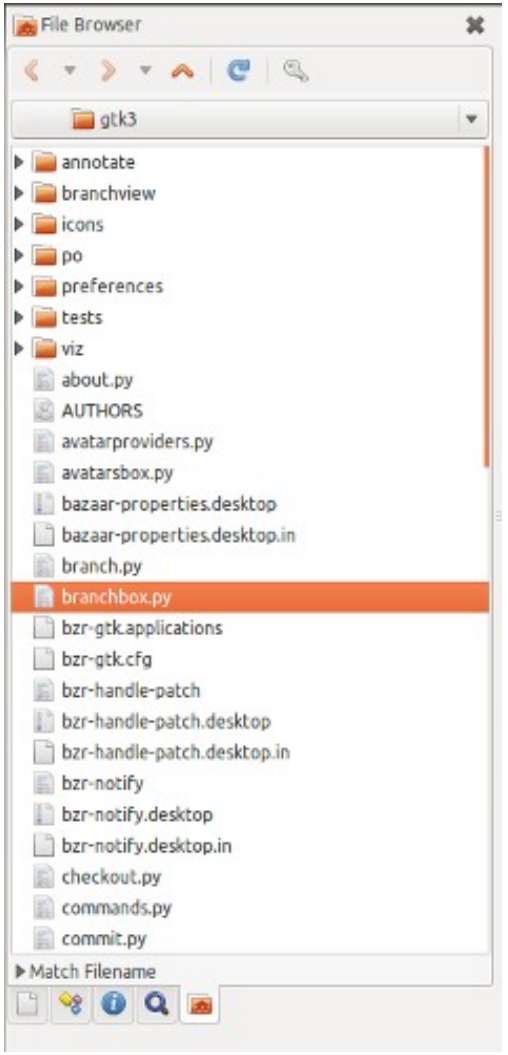
- Use F9 or Menu > View > Side Panel to see files
- All open files are listed in the Files tab
- Navigate folders to locate files using the Browser tab
  - Match files will filter the listing



GDP find and replace

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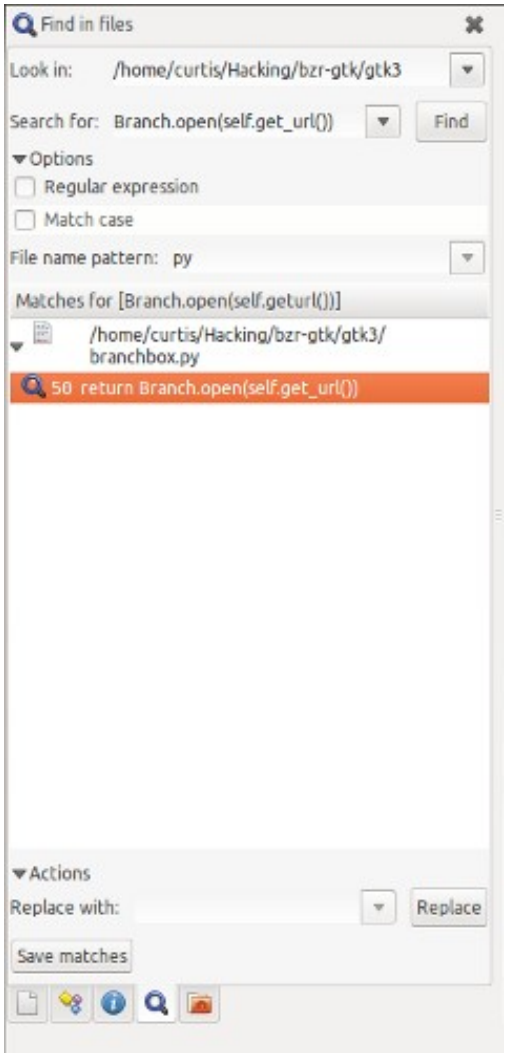
- Search multiple files within a directory
- Filter on sub-directory or file name fragment
- Use regular expressions
- Match case
- Replace in multiple files
- Save the list of matches



GDP formating and syntax

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- Check for style and syntax issues: Python, JS,CSS, XML, plain text
- CSS and doctest reformatting
- Menu > Edit > Format provides
  - text rewrapping
  - Fix line ending
  - tabs to spaces
  - regular expression inline reformatting

GDP bazaar integration

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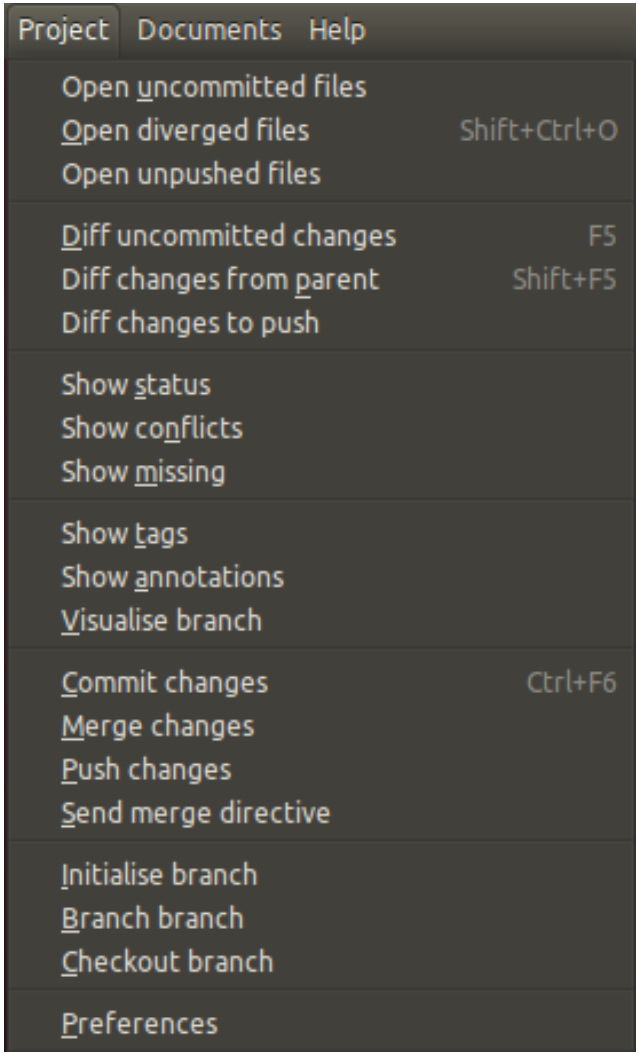
- Branch, edit, commit, and push bazaar projects.
- bzr-gtk is used to visualize the files and tree
- Work with SVN, HG, and git branches when the proper bzr plugins are installed



Source code browser

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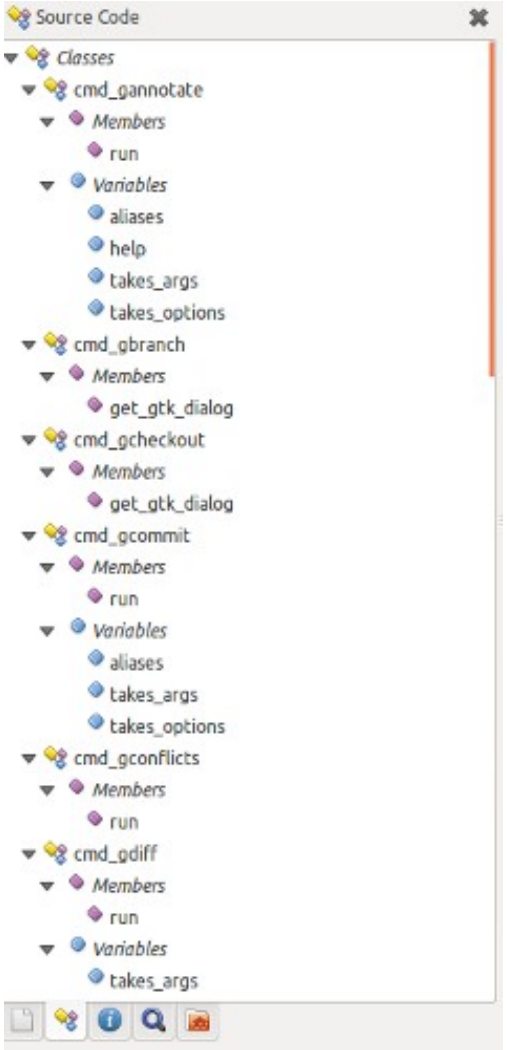
- A CTags source code class and function browser
- Download:
  https://github.com/Quixotix/gedit-source-code-browser
- Can be improved
  - Could support CTags files for projects
  - Could support search/filter



Tools

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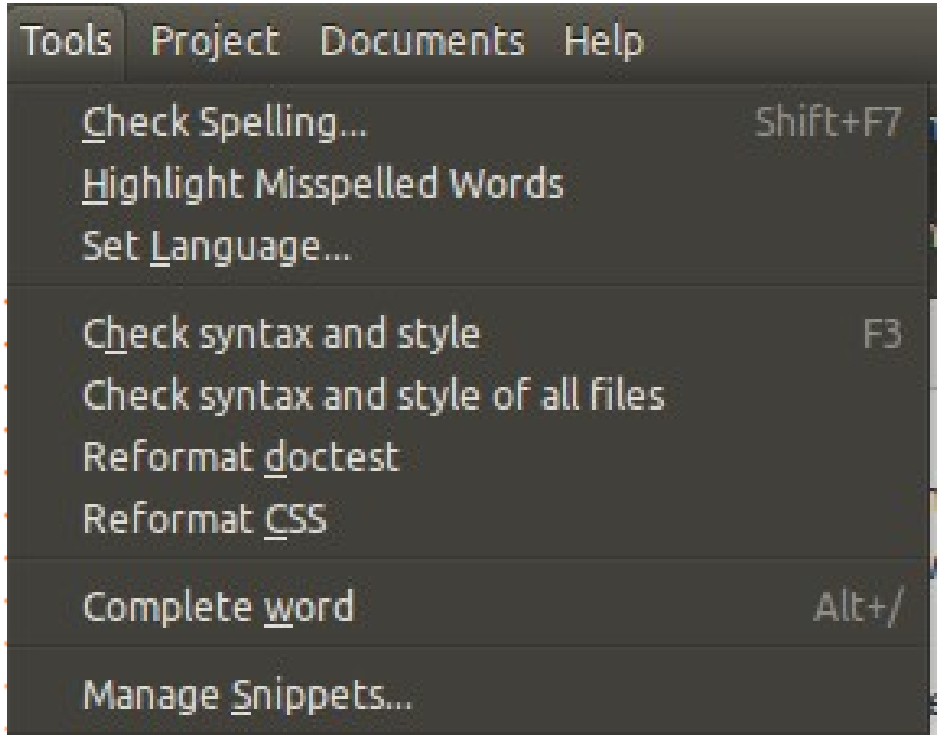
- Many plugins add actions to the tools menu
- Add your own using the External Tools plugin



Snippets

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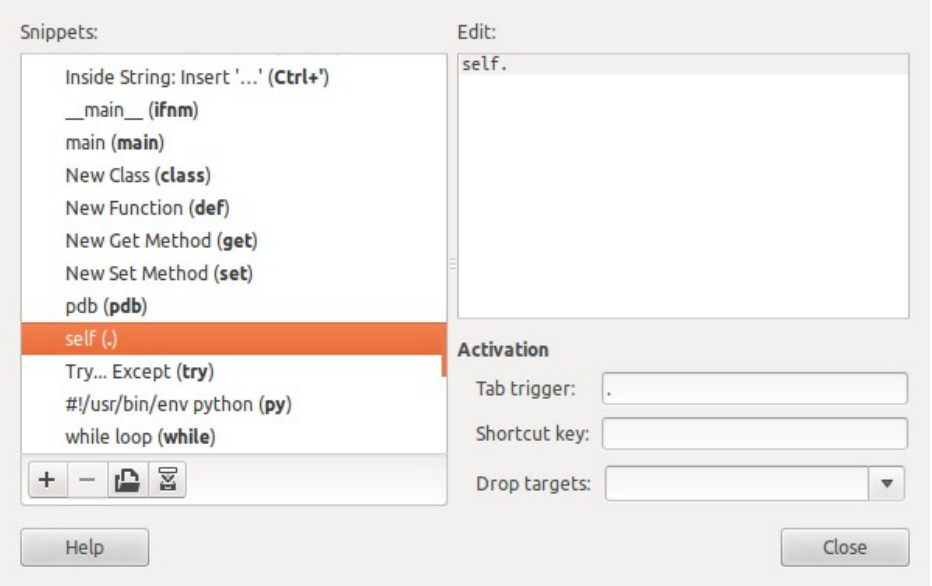
- Define text completion macros for a language or for every document
- Use the tab key to move between editing locations in the snippet
- Set a tab trigger to autocomplete
- Use CTRL+Space to list completion candidates



External tools

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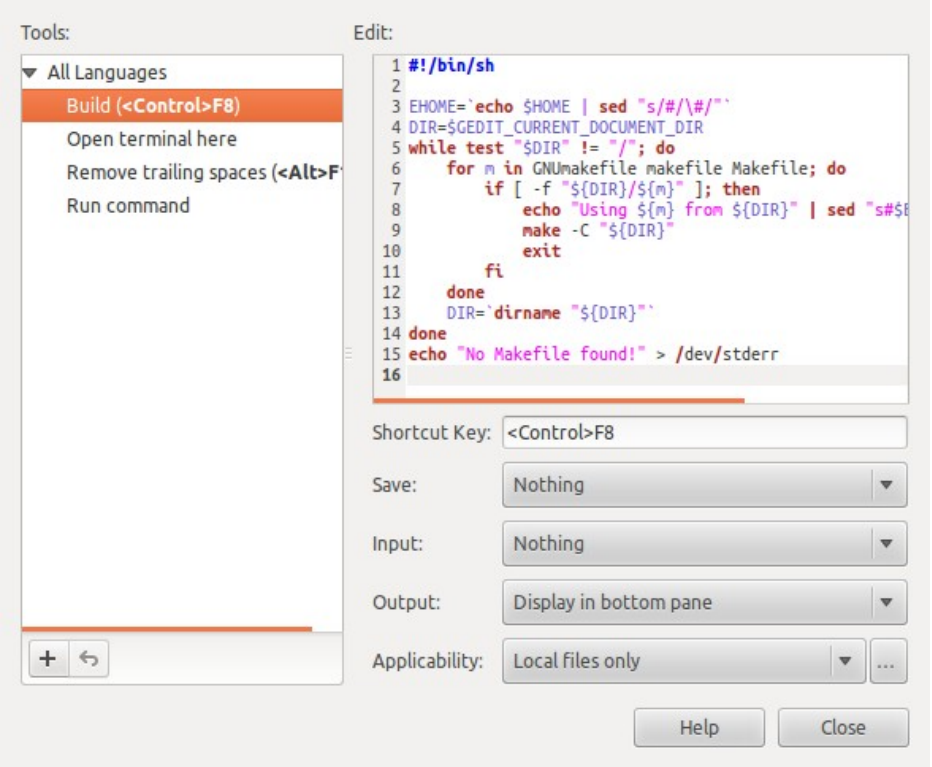
- Integrate command line tools with gedit
- Define command to appear in the Tools menu
- The command output is displayed in the bottom pane



Terminal and Python

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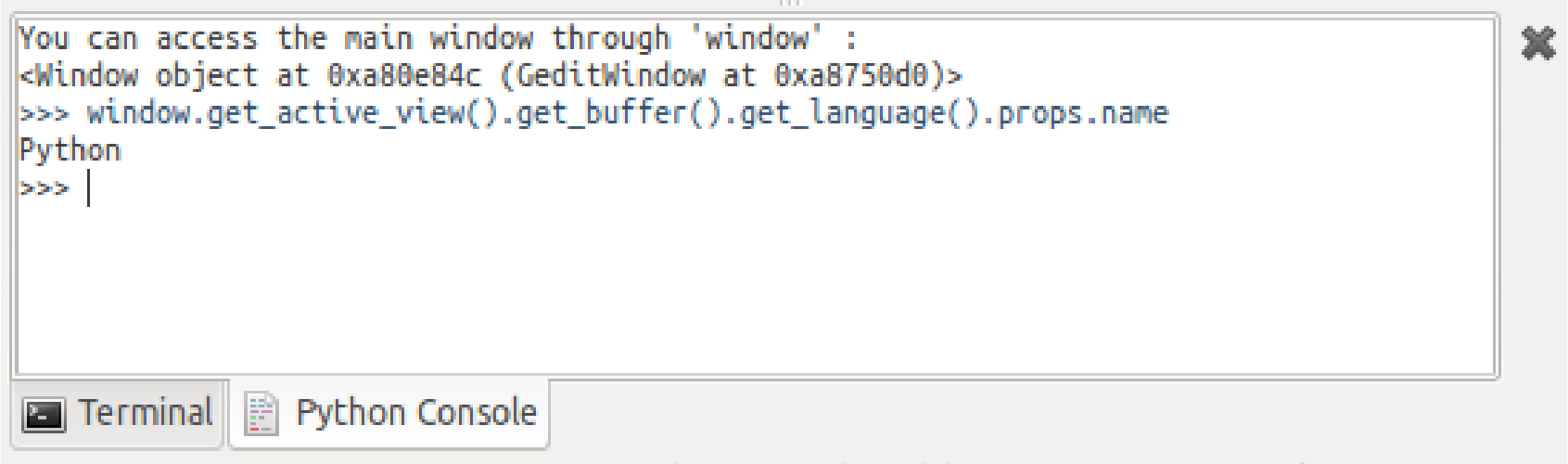
- The Embedded terminal plugin as a genuine terminal in the bottom panel
- The Python Console plugin add an interactive python interpreter that can access Gedit's API



Writing gedit plugins

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- gedit provides a complete API for writing extensions
- A plugin can be written in a few lines of code that implements Gedit.WindowActivatable
- The API is only accessible to processes embedded in gedit
  - Use the Python console plugin to explore the API
  - GDP uses a fake Gedit module for testing
- See https://live.gnome.org/Gedit/PythonPluginHowTo