Python3 PDB Cheat Sheet

GETTING STARTED

import pdb; pdb.set_trace()	start pdb from within a script
import pdb; pdb.Pdb(skip=['django.*']).set_trace()	skip frames that originate in a module that matches a pattern
python3 -m pdb <file>.py	start pdb from the command line

BASICS

h(elp)	print available commands
h(elp) *command*	print help about *command*
q(uit)	quit debugger

EXAMINE

a(rgs)	Print the argument list of the current function
l(ist) *[first, last]*	Show source code. Default 11 lines. Or, list the given range; if the last is less than first, it is interpreted as a count.
ll (longlist)	List all source code for current function or frame
p *expr*	Print
pp *expr*	pretty-print using the pprint module
source *expr*	Try to get source code for the given object and display it.
whatis *expr*	Print the type of the *expression*

MISCELLANEOUS

!*stmt*	Execute the *statement* as Python instead of a pdb command
interact	Start an interactive interpreter
alias *[name [command]]*	Create an alias called *name* that executes *command*. See documentation for details.

MOVEMENT

<ENTER>	repeat the last command
n(ext)	execute the current statement (step over)
s(step)	execute and step into function
un(til) *[lineno]*	Continue execution until line number
r(eturn)	Continue execution until the current function returns.
c(ontinue)	Continue execution until a breakpoint is encountered.
j(ump) *lineno*	jump back and execute code again, or jump forward to skip code that you don't want to run.
u(p) *[count]*	Move current frame up the stack trace (to an older frame)
d(own) *[count]*	Move current frame down the stack trace (to newer frame)
w(here)	Print stack trace, with most recent frame on bottom

BREAKPOINTS

b(reak)	Show all breakpoints and their *number*
b(reak) *lineno*	Set a breakpoint at *lineno*
b(reak) *lineno, cond*	Stop at breakpoint *lineno* if Python *cond* holds
b(reak) *file:lineno*	Set a breakpoint in *file* at *lineno*
b(reak) *function*	Set a breakpoint at the first line of a *function*
tbreak *lineno*	Set a temporary breakpoint at *lineno*; removed first time it is hit
disable *number*	Disable breakpoint *number*
enable *number*	Enable breakpoint *number*
clear *number*	Delete breakpoint number
ignore *number [count]*	Skip break point *number* for *count* times

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https://docs.python.org/3.4/library/pdb.html