Cheatography

Python Debugging Cheat Sheet
by [outcome](cheatography.com/outcome/) via cheatography.com/86693/cs/20126/

Python 3.7

`breakpoint()`	Start debugger inside a Python script
`PYTHONBREAK-POINT=0`	Env Var: Set to skip all breakpoints
`PYTHONBREAK-POINT=ipdb.set_trace`	Env Var: breakpoint() which debugger to use

Getting Started

`import pdb;pdb.set_trace()`	Start pdb inside a python script
`python -m pdb <file.py>`	Start pdb from the command line
`import ipdb;ipdb.set_trace()`	Start ipdb inside a python script

Help or Exit

`h(elp)`	show help
`q(uit)` or `ctrl+d`	quit debugging

Manual Breakpoints

`b(reak)`	show all breakpoints
`b(reak) line_no`	set a breakpoint at a line
`b(reak) line_no, condition`	set a breakpoint at a line, if condition is met

Stepping

`n(next)`	step over
`s(tep)`	step into
`r(eturn)`	continue until current function returns
`c(ont-inue)`	continue until next breakpoint
`j(ump) line_no`	next line to be executed (useful for breaking out of loops)

Frame Navigation

`u(p)`	up one level in the stack trace
`d(own)`	down one level in the stack trace

Display

`p(rint) expr`	print the value of expr
`pp expr`	pretty print the value of expr
`w(here)`	print the current position and stack trace
`l(ist)`	print the lines of code around the current line
`a(rgs)`	print args of the current function

credits

original sheet from: github.com/Kapeli/cheatsheets