



Python Debugger Cheatsheet



Getting started

start pdb from within a script:

```
import pdb;pdb.set_trace()
```

start pdb from the commandline:

```
python -m pdb <file.py>
```

Basics

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

Examine

p(rint) *expr* print the value of *expr*
pp *expr* pretty-print the value of *expr*
w(here) print current position (including stack trace)
l(ist) list 11 lines of code around the current line
l(ist) *first, last* list from *first* to *last* line number
a(rgs) print the args of the current function

Movement

<ENTER> repeat the last command
n(ext) execute the current statement (step over)
s(tep) execute and step into function
r(eturn) continue execution until the current function returns
c(ontinue) continue execution until a breakpoint is encountered
u(p) move one level up in the stack trace
d(own) move one level down in the stack trace

Breakpoints

b(reak) show all breakpoints
b(reak) *lineno* set a breakpoint at *lineno*
b(reak) *func* set a breakpoint at the first line of a *func*

Manipulation

!*stmt* treat *stmt* as a Python statement instead of a pdb command