

# Cheatography

## Python 3.7

<code>breakpoint()</code>	Start debugger inside a Python script
<code>PYTHONBREAKPOINT=0</code>	Env Var: Set to skip all breakpoints
<code>PYTHONBREAKPOINT=ipdb.set_trace</code>	Env Var: breakpoint() which debugger to use

## Getting Started

<code>import pdb;pdb.set_trace()</code>	Start pdb inside a python script
<code>python -m pdb &lt;file.py&gt;</code>	Start pdb from the command line
<code>import ipdb;ipdb.set_trace()</code>	Start ipdb inside a python script

## Help or Exit

<code>h(elp)</code>	show help
<code>q(uit)</code> or <code>ctrl+d</code>	quit debugging

## Manual Breakpoints

<code>b(reak)</code>	show all breakpoints
<code>b(reak) line_no</code>	set a breakpoint at a line
<code>b(reak) line_no, condition</code>	set a breakpoint at a line, if condition is met

## Stepping

<code>n(next)</code>	step over
<code>s(tep)</code>	step into
<code>r(eturn)</code>	continue until current function returns
<code>c(ontinue)</code>	continue until next breakpoint
<code>j(ump) line_no</code>	next line to be executed (useful for breaking out of loops)

## Frame Navigation

<code>u(p)</code>	up one level in the stack trace
<code>d(own)</code>	down one level in the stack trace

## Display

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

## credits

original sheet from: [github.com/Kapeli/cheatsheets](https://github.com/Kapeli/cheatsheets)