# Cheat Sheet
# Python debugger: pdb

Call script from command line with pdb

```
python3 -m pdb myscript.py
```

Start pdb inside the script

```
import pdb; pdb.set_trace() # python 3.6 and older
```

```
breakpoint() # python 3.7 and up
```

## Commands

**s(tep)**: Execute the current line, stop at the first possible occasion

**c(ont(inue))**: Continue execution, only stop when a breakpoint is encountered.

**n(ext)**: Continue execution until the next line in the current function is reached or it returns

**r(eturn)**:  Continue execution until the current function returns.

**q(uit)**: Quit from the debugger. The program being executed is aborted.

**unt(il)**: continue execution until the line with a number greater than the current one is reached.

**unt(il) [lineno]**: continue execution until a line with a number greater or equal to the line number provided is reached.

**j(ump) lineno**: Set the next line that will be executed.

**l(ist)**: list 11 lines around the current line or continue the previous listing. l(ist) [first[, last]]: With one argument, list 11 lines around at that line. With two arguments, list the given range

**ll** | **longlist**: List all source code for the current function or frame.

**a(rgs)**: Print the argument list of the current function.

Official docs: https://docs.python.org/3/library/pdb.html