

Debugging in Python

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Getting started — `pdb.set_trace()`

Execute the next statement... with “n” (next)

Repeating the last debugging command... with ENTER

Quitting it all... with “q” (quit)

Printing the value of variables... with “p” (print)

Turning off the (Pdb) prompt... with “c” (continue)

Seeing where you are... with “l” (list)

Stepping into subroutines... with “s” (step into)

Continuing... but just to the end of the current subroutine... with “r” (return)

You can do anything at all at the (Pdb) prompt ...

Demo:

```
# epdb2.py -- experiment with the Python debugger, pdb
import pdb

def combine(s1,s2):      # define subroutine combine,
which...                # which...
    s3 = s1 + s2 + s1   # sandwiches s2 between copies
of s1, ...              # of s1, ...
    s3 = ''' + s3 +'''  # encloses it in double
quotes,...              # quotes,...
    return s3           # and returns it.

a = "aaa"
pdb.set_trace()
b = "bbb"
c = "ccc"
final = combine(a,b)
print final
```