Let's make Python debugging on the console not suck!

Want:

- Situational Awareness
- Source Code
- Variables
- Stack
- Easy Drop to Python Shell
- Single Keystrokes
- Visual Breakpoints
PuDB!

PuDB 0.92.15 - The Python Urwid debugger - Hit ? for help - (C) Andi<br>

z = None
w = ()

y = dict((i, i**2) for i in s)
k = set(range(5, 99))

try:
    x.invalid
except AttributeError:
    pass

# import sys
# sys.exit(1)

return 2*x

def format(n):
    """Returns triplets of the form \(x^n + y^n = z^n\)."
    Warning! Untested with \(n > 2\).
    """
    from itertools import count
    for x in range(100):
        for y in range(1, x+1):
            for z in range(1, x**n+y**n + 1):
                # from pudb import set_trace; set_trace()
                if x**n + y**n == z**n:
                    yield x, y, z

print "SF", simple_func(10)
PuDB: Debug like it’s 1992!

- Perfect for debugging over SSH
- from pudb import set_trace
  set_trace()
- python -m pudb.run failscript.py
- Step over/into \( n \) / \( s \)
- Drop to Python/IPython Shell \( ! \)
- Module Browser \( m \)
- Expand variable (on variable) \( \backslash \)
- View stack frame (on frame) \( \text{Enter} \)

Thanks for your attention!