

The Python Debugger

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Overview

- **Pdb: The Python Debugger**
- **Interactive use**
 - Examining state of your program
 - Stepping through execution
 - Making changes
- **IDE Integration**



Interactive Use

- Loading and starting the debugger

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

	Key	Mnemonic	Function
➡	l	list	Shows current line
➡	n	next	Execute line, move to next
➡	h	help	Provides documentation

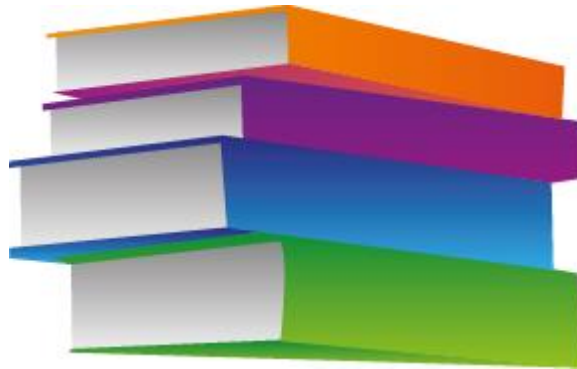
- Use up and down arrows for history

Advanced Commands

	Key	Mnemonic	Function
➡	c	continue	Continue normal program flow
➡	b	breakpoint	Set breakpoint
➡	w	where	Show stacktrace
➡	s	step	Step down into next level
➡	r	return	Step out of this level

Resources

- Pdb official documentation (<http://goo.gl/f6zs0g>)
 - <https://docs.python.org/3/library/pdb.html>
- Article about pdb (<http://goo.gl/IXEivQ>)
 - <http://www.onlamp.com/pub/a/python/2005/09/01/debugger.html>



Summary

- **Pdb**
 - Interactive use
 - `pdb.set_trace()`