

# **docopt**

python command line parsing

# Using it

```
"""Naval Fate.
```

```
Usage:
```

```
naval_fate.py ship new <name>...
naval_fate.py ship <name> move <x> <y> [--speed=<kn>]
naval_fate.py ship shoot <x> <y>
naval_fate.py mine (set|remove) <x> <y> [--moored|--drifting]
naval_fate.py -h | --help
naval_fate.py --version
```

```
Options:
```

```
-h --help      Show this screen.
--version      Show version.
--speed=<kn>   Speed in knots [default: 10].
--moored       Moored (anchored) mine.
--drifting     Drifting mine.
```

```
"""
```

```
from docopt import docopt
```

```
if __name__ == '__main__':
    arguments = docopt(__doc__, version='Naval Fate 2.0')
    print(arguments)
```

# In action

Flip to a console to demonstrate

# How the?

There is guidance for command line parameters - IEEE 1003.1

Generally part of POSIX

They use those rules to parse the usage documents, so the closer your usage text was to the standard POSIX, the more likely it is to just work.

# References

- <https://github.com/docopt/docopt>
- <http://docopt.org/>
- PyConUK 2012 talk - <http://www.youtube.com/watch?v=pXhcPJK5cMc>
- [http://pubs.opengroup.org/onlinepubs/009696699/basedefs/xbd\\_chap12.html](http://pubs.opengroup.org/onlinepubs/009696699/basedefs/xbd_chap12.html)