常用第三方包

#### requests

```
import urllib2
gh url = 'https://api.github.com'
reg = urllib2.Request(gh url)
password manager = urllib2.HTTPPasswordMgrWithDefaultRealm()
password manager.add password(None, gh url, 'user', 'pass')
auth manager = urllib2.HTTPBasicAuthHandler(password manager)
opener = urllib2.build opener(auth manager)
urllib2.install opener(opener)
handler = urllib2.urlopen(req)
print handler.getcode()
print handler.headers.getheader('content-type')
```

### httpie

- 1. 友好的语法高亮输出,
- 2. 默认输出的内容的结构是json的,可读性好且易
- 于二次处理
- 3. 支持持久性会话

### attrs

#### click

- 1. 支持任意命令的嵌套
- 2. 提供有用的功能函数,如在终端输出可以带颜色
- 3. 支持子命令的懒加载。懒加载就是都有哪些命令是动态算出来
- 的,而不需要预先定义好

```
import click
@click.command()
@click.option('--times', default=1, type=click.IntRange(1, 5),
              help='Number of greetings: 1-5')
@click.argument('name')
def hello(name, times):
    for in range(times):
        click.echo('Hello, {}!'.format(name))
hello()
> python click example.py --help
Usage: click example.py [OPTIONS] NAME
Options:
  -- times INTEGER RANGE Number of greetings: 1-5
  --help
                         Show this message and exit.
~/sansa/introduction-python/2.Python知识/22 master*
> python click example.py -- times 2 World
Hello, World!
Hello, World!
```

## docopt

```
"""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)
```

```
> python naval fate.py
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
> python naval fate.py ship Guardian move 100 150 --speed=15
{'--drifting': False,
 '--help': False,
 '--moored': False,
 '--speed': '15',
 '--version': False,
 '<name>': ['Guardian'],
 '<y>': '150',
 'mine': False,
 'move': True,
 'new': False,
 'remove': False,
 'set': False,
 'ship': True,
 'shoot': False}
```

# six

# pelican

## mkdocs

3. https://zhuanlan.zhihu.com/p/34963159

延伸阅读

1. https://gist.github.com/kennethreitz/973705

- 4. https://realpython.com/comparing-python-command-line-parsing-libraries-argparse-docopt-click/
- 5. https://www.youtube.com/watch?v=pXhcPJK5cMc
- 6. https://pythonhosted.org/six/
- 7. http://www.mkdocs.org/

2. https://devhints.io/httpie