pyqt5 mac 安装

一．　安装QT：

下载QT：http://download.qt.io/official_releases/qt/5.5/5.5.0/

安装 `qt-opensource-mac-x64-clang-5.5.0.dmg`，按照官方默认的路径和配置，正常安装(/Users/wujishanxia/Qt5.5.0)

把QT5加入到环境变量 ~./bash_profile
```
export PATH=/Users/gepoe/Qt5.5.0/5.5/clang_64/bin:$PATH
```

二．　安装 QScintilla 源代码编辑器控件　####可以不安装####

下载 QScintilla https://riverbankcomputing.com/software/qscintilla/download

```
#安装 QScintilla
tar -xzf QScintilla-gpl-2.9.tar.gz
cd QScintilla-gpl-2.9
cd Qt4Qt5/
qmake qscintilla.pro -spec macx-g++
make
sudo make install
```

三．　安装SIP

下载sip http://sourceforge.net/projects/pyqt/files/sip/sip-4.16.9/

```
tar -xzf _sip-4.16.9.tar.gz
cd sip-4.16.9/
python configure.py
make
sudo make install
```

四．　安装pyqt5

下载pyqt5 http://sourceforge.net/projects/pyqt/files/PyQt5/PyQt-5.5/

```
tar -xzf PyQt-gpl-5.5.tar.gz
cd PyQt-gpl-5.5
#python configure.py -q /Users/gepoe/Qt5.5.0/5.5/clang_64/bin/qmake -d
/Library/Python/2.7/site-packages --
sip=/System/Library/Frameworks/Python.framework/Versions/2.7/bin/sip


python configure.py -q /Users/gepoe/Qt5.5.0/5.5/clang_64/bin/qmake -d
/Library/Python/2.7/site-packages --
```

```
#python configure.py -q /Users/gepoe/Qt5.5.0/5.5/clang_64/bin/qmake -d
/Library/Python/2.7/site-packages --
```

```
python configure.py -q /Users/gepoe/Qt5.5.0/5.5/clang_64/bin/qmake -d
/Library/Python/2.7/site-packages --
sip=/Library/Frameworks/Python.framework/Versions/2.7/bin/sip
```

-q 参数后面的是Qt的qmake位置, -d参数为python包的位置, --sip参数为sip的位置

查看python包的位置
```
import site; site.getsitepackages()
```

报错:Error: This version of PyQt5 and the commercial version of Qt have incompatible
licenses.
Qt5.5版本的开源版本中将"Open Source"标示为了"Builder Qt", 导致PyQt中判断错误, 抛出许可不兼容的错误。将PyQt目录中的configure.py添加如下行（搜索Common checks, 2590行处）, 重新编译即可。
```
# Common checks.
#change by openthings@163.com.
print("License:")
print(introspecting)
print(target_config.qt_licensee)
print(ltype)
target_config.qt_licensee = 'Open Source'
#end change.
```

```
make
sudo make install
```

pyqt5 安装完成后, 运行示例进行测试

```
## demo1.py
import sys
from PyQt5 import QtCore, QtGui, QtWidgets

if __name__ == '__main__':
app = QtWidgets.QApplication(sys.argv)
w = QtWidgets.QWidget()
w.resize(250, 150)
w.move(300, 300)
w.setWindowTitle('Simple')
w.show()
sys.exit(app.exec_())
```