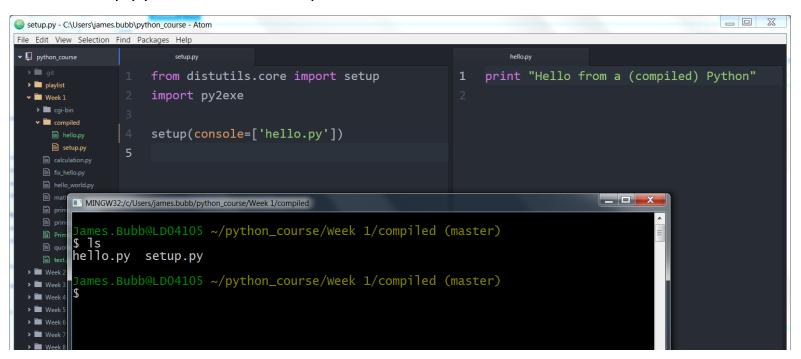
Compiling a Python Program with py2exe

- 1) Download a copy of **py2exe** from http://www.py2exe.org/
- 2) Create two files:
 - hello.py the file you want to compile
 - setup.py the installer script



In the installer script **setup.py** make sure the **console** argument has the name of the program you want to compile e.g. **hello.py**

3) Run the setup script by typing in **python setup.py install** at your command prompt.

```
MINGW32/c/Users/james.bubb/python_course/Week 1/compiled (master)

James.Bubb@LD04105 ~/python_course/Week 1/compiled (master)

S ls
hello.py setup.py

James.Bubb@LD04105 ~/python_course/Week 1/compiled (master)

S python setup.py install
running install
running build
running install_egg_info
Removing c:\Python27\Lib\site-packages\UNKNOWN-0.0.0-py2.7.egg-info
Writing c:\Python27\Lib\site-packages\UNKNOWN-0.0.0-py2.7.egg-info

James.Bubb@LD04105 ~/python_course/Week 1/compiled (master)

S
```

4) Next, type in **python setup.py py2exe** to run py2exe. You will get loads of output but should see some folders created at the end.

```
MINGW32:/c/Users/james.bubb/python_course/Week 1/compiled
on_course\Week 1\compiled\dist\hello.exe
*** binary dependencies ***
Your executable(s) also depend on these dlls which are not included, you may or may not need to distribute them.
Make sure you have the license if you distribute any of them, and make sure you don't distribute files belonging to the operating system.
    USER32.dll - C:\WINDOWS\system32\USER32.dll
SHELL32.dll - C:\WINDOWS\system32\SHELL32.dll
ADVAPI32.dll - C:\WINDOWS\system32\ADVAPI32.dll
    WS2_32.dll - C:\WINDOWS\system32\WS2_32.dll
GDI32.dll - C:\WINDOWS\system32\GDI32.dll
KERNEL32.dll - C:\WINDOWS\system32\KERNEL32.dll
 James.Bubb@LD04105 ~/python_course/Week 1/compiled (master)
build dist hello.py setup.py
 James.Bubb@LD04105 ~/python_course/Week 1/compiled (master)
```

5) If you open up the **dist** folder either in Windows explorer or typing **cd dist** in the command line you will see your compiled file, in this case **hello.exe**

```
_ D X
MINGW32:/c/Users/james.bubb/python_course/Week 1/compiled/dist
   WS2_32.dll - C:\wINDOWS\system32\wS2_32.dll
GDI32.dll - C:\wINDOWS\system32\GDI32.dll
KERNEL32.dll - C:\wINDOWS\system32\KERNEL32.dll
build dist hello.py setup.py
$ cd dist/
$ 15
                                    python27.dll unicodedata.pyd
_hashlib.pyd hello.exe
bz2.pyd library.zip select.pyd
                                                      w9xpopen.exe
$ hello.exe
Hello from a (compiled) Python
```

And that's it!