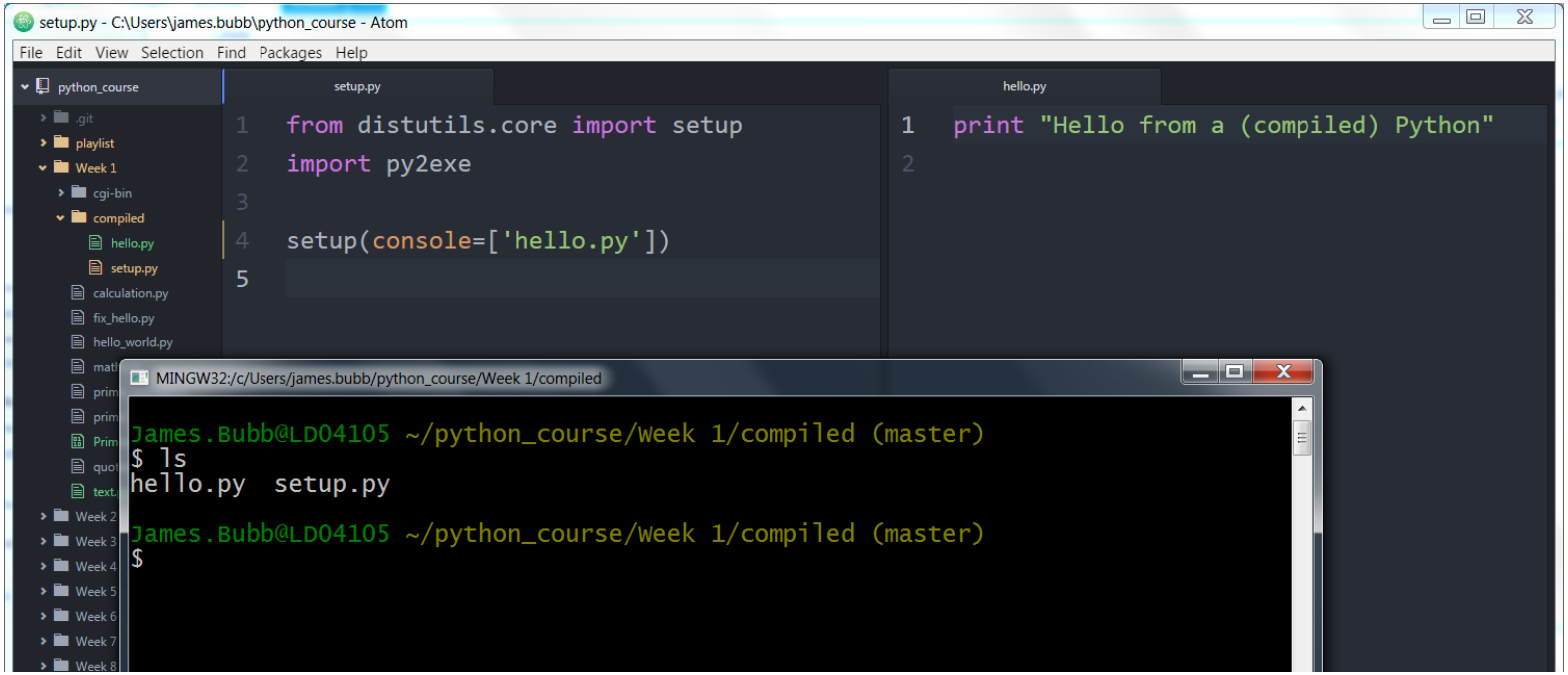
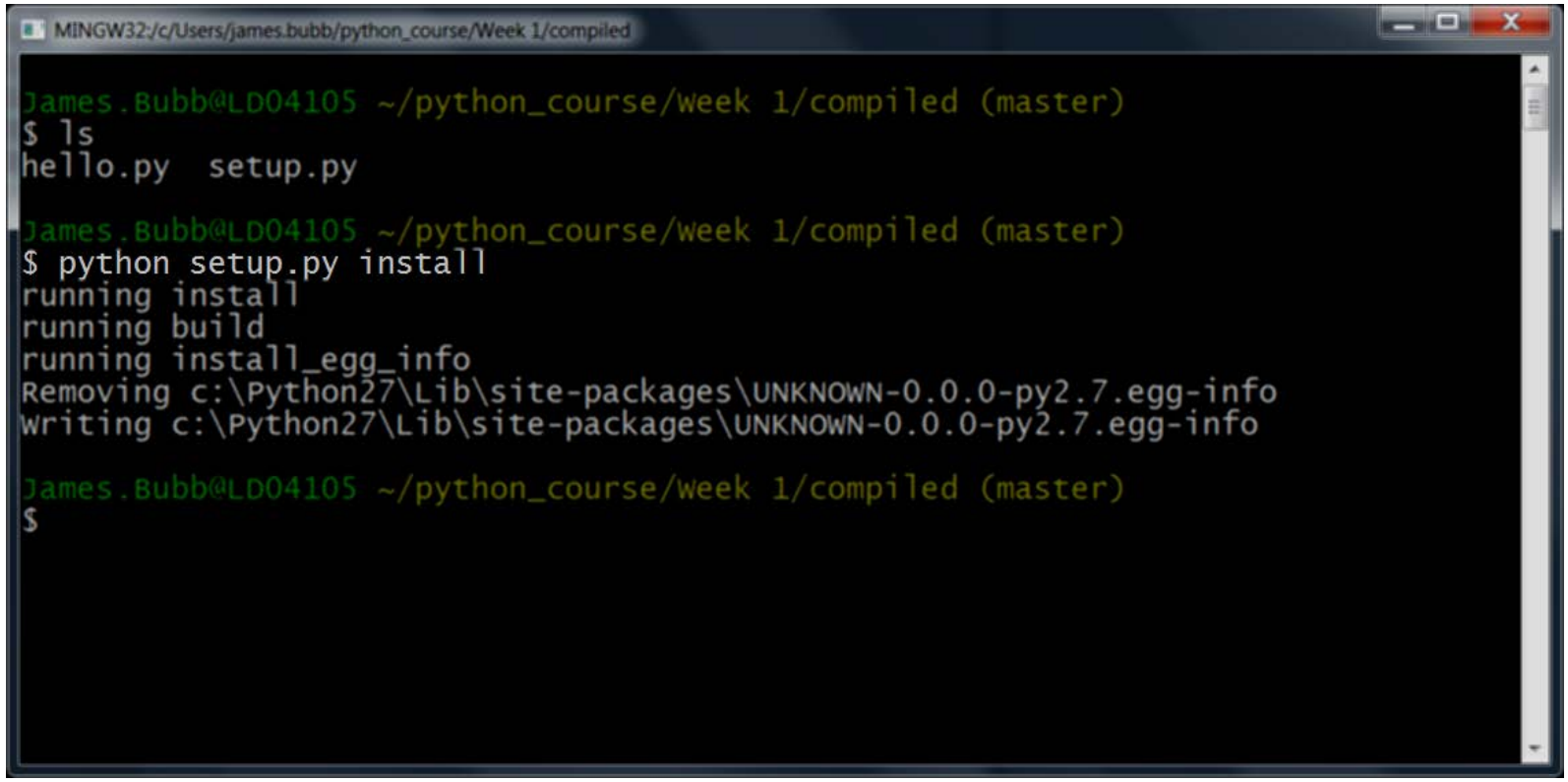
Compiling a Python Program with py2exe

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

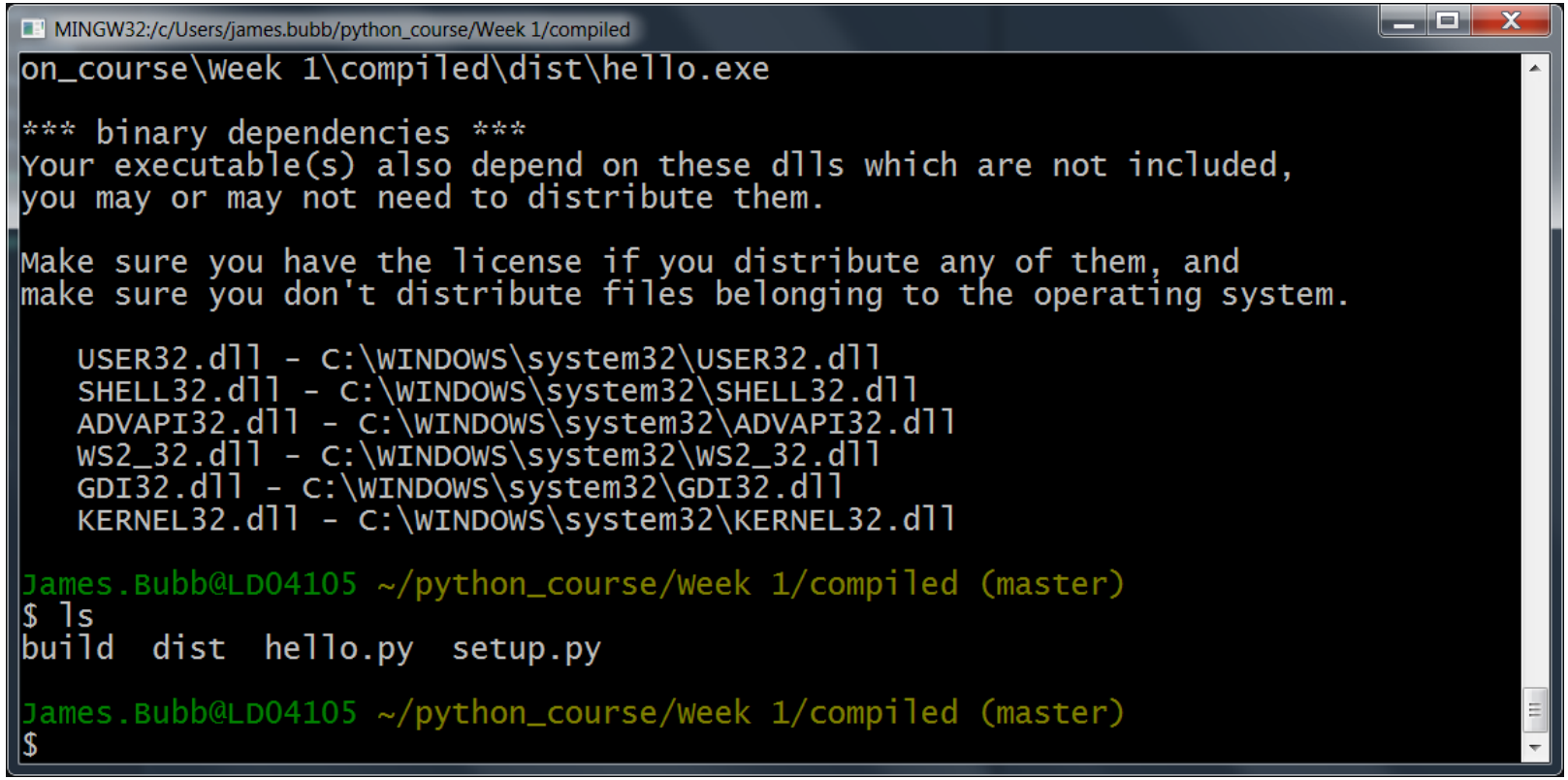


In the installer script **setup.py** make sure the **console** argument has the name of the program you want to compile e.g. **hello.py**

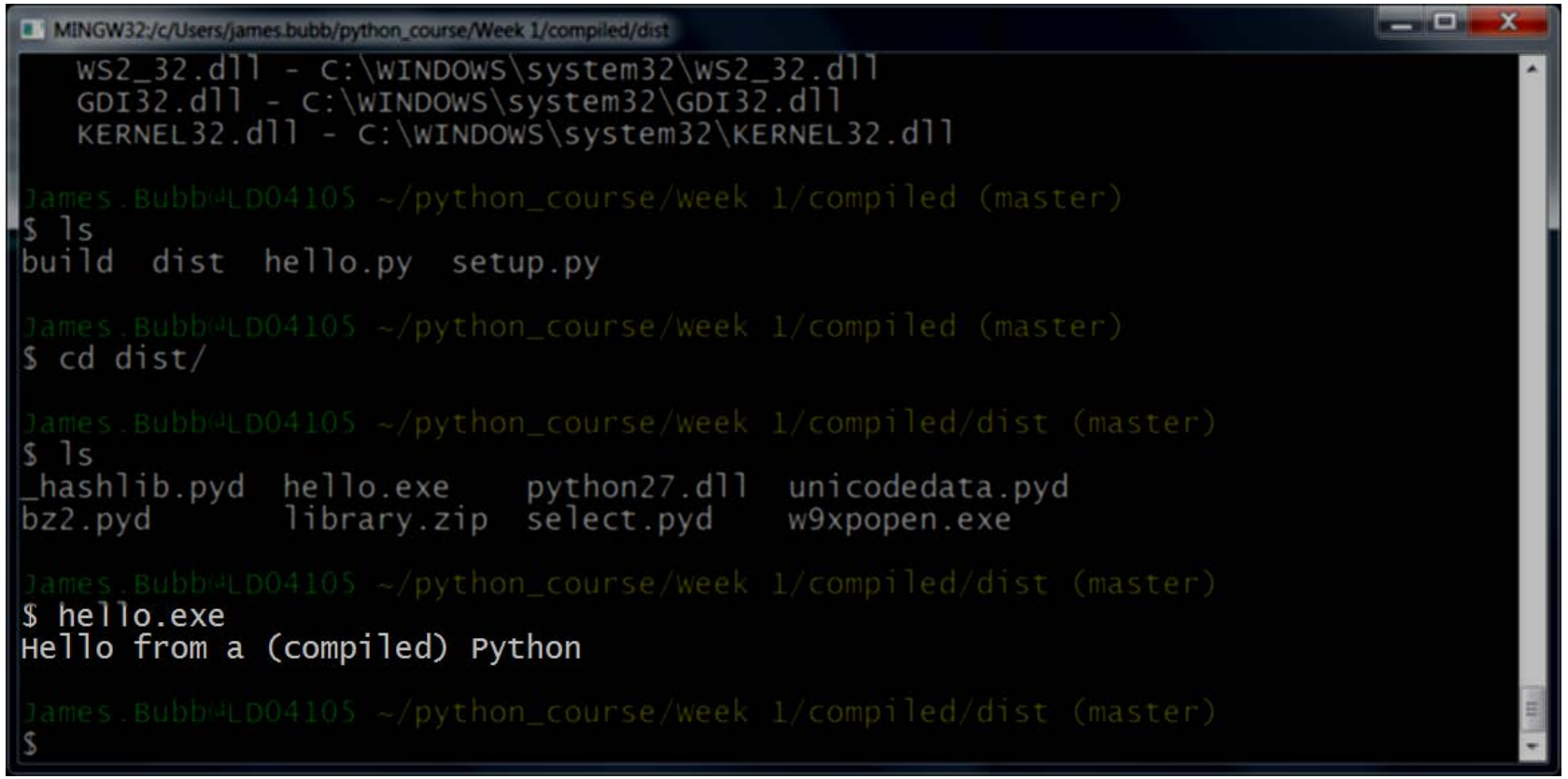
3) Run the setup script by typing in **python setup.py install** at your command prompt.



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.



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**


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
James.Bubb@LD04105 ~/python_course/Week 1/compiled (master)
$ ls
build dist hello.py setup.py
James.Bubb@LD04105 ~/python_course/Week 1/compiled (master)
$ cd dist/
James.Bubb@LD04105 ~/python_course/Week 1/compiled/dist (master)
$ ls
_hashlib.pyd hello.exe python27.dll unicodedata.pyd
bz2.pyd library.zip select.pyd w9xpopen.exe
James.Bubb@LD04105 ~/python_course/Week 1/compiled/dist (master)
$ hello.exe
Hello from a (compiled) Python
James.Bubb@LD04105 ~/python_course/Week 1/compiled/dist (master)
$

And that’s it!