

# Creating a setup.py File

We will start out by creating a super simple **setup.py** script. Here's a bare-bones one:

```
from distutils.core import setup

setup(name='mymath',
      version='0.1',
      packages=['mymath', 'mymath.adv'],
      )
```



This is something you might write for a package internally. To upload to PyPI, you will need to include a little more information:

```
from distutils.core import setup

setup(name='mymath',
      version='0.1',
      description='A silly math package',
      author='Mike Driscoll',
      author_email='mike@mymath.org',
      url='http://www.mymath.org/',
      packages=['mymath', 'mymath.adv'],
      )
```



Now that we're done with that, we should test our script. You can create a virtual environment using the directions from chapter 35 or you can just install your code to your Python installation by calling the following command:

```
python setup.py install
```



Alternatively, you can use the method at the end of the last chapter in which you created a special **setup.py** that you installed in **develop** mode. You will note that in the last chapter, we used **setuptools** whereas in this chapter we used **distutils**. The only reason we did this is that setuptools has the **develop**

used distutils. The only reason we did this is that setuptools has the develop command and distutils does not.

Now we need to register our package with PyPI!