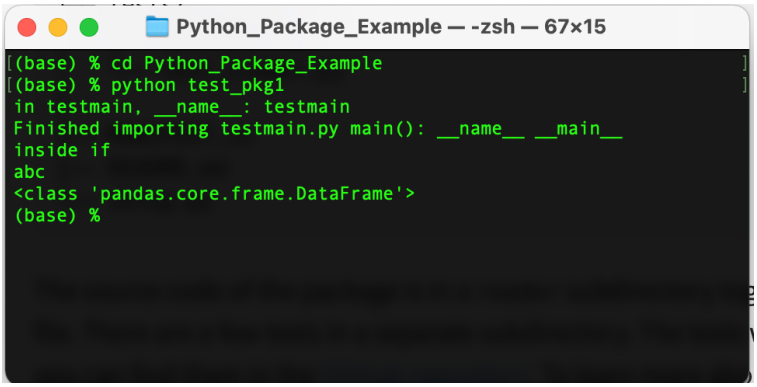
Python Project Setup

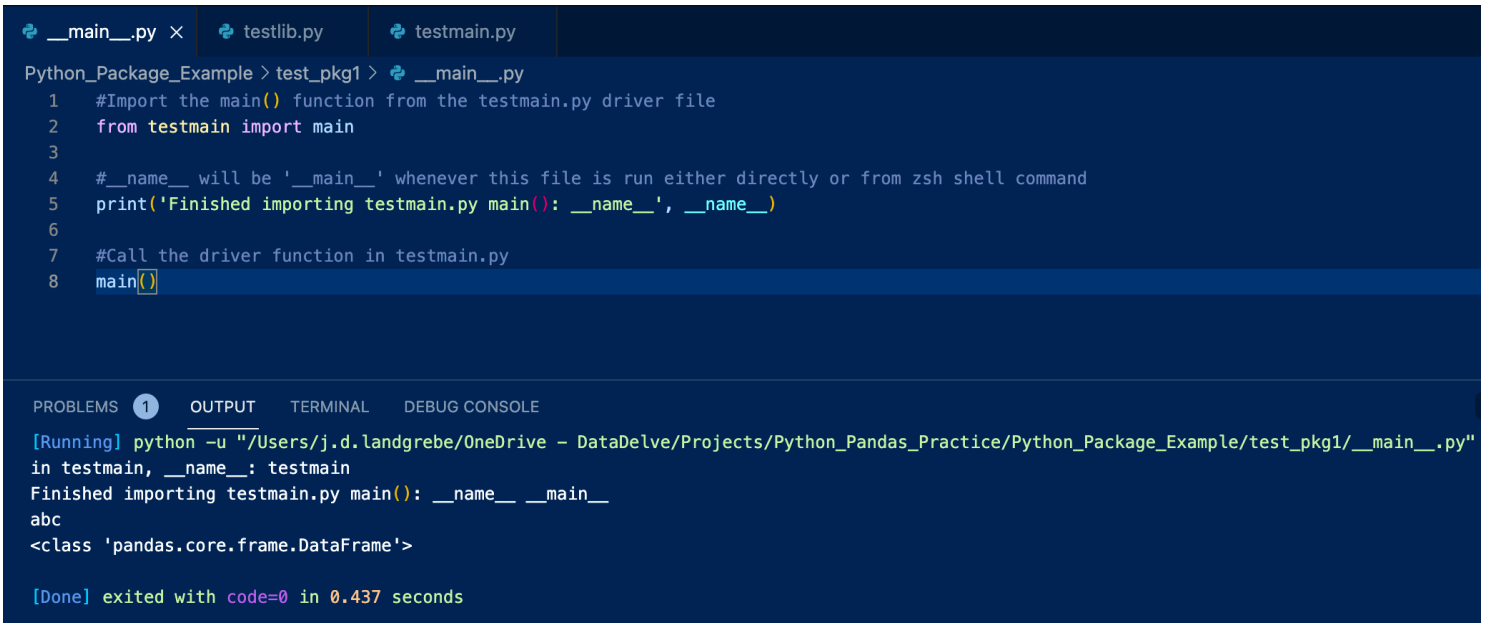
From the command line, running the package (>>python pkg_name) calls the __main__.py code at the package subfolder's root level. In the example, **test_pkg1** is self-contained with all needed code in its sub-folder.

Example folder structure:

```
Python_Package_Example
    ├── LICENSE
    ├── Python_Project_Setup.pdf
    ├── Readme.md
    └── test_pkg1
        ├── __main__.py
        ├── testlib.py
        └── testmain.py
    └── tests
        ├── tests_testlib.py
        ├── tests_testmain.py
```

Running from the Python_Package_Example folder is equivalent to running **__main__.py** from within VS Code:





The driver file, **testmain.py** and an imported Class in **testlib.py** showing how code can be subdivided into multiple files within the package.

- Note that the package top-level driver code is in the **main()** function to control not running it when simply importing **testmain** as a libary by other code
- The lines at bottom are standard and usually placed at the end of a *.py file. These lines run the **main()** function if testmain.py is run