

Unit Testing

You've already seen a very basic testing strategy.

You've written some tests using that strategy.

These tests were pretty basic, and a bit awkward in places (testing error conditions in particular).

It gets better

Test Frameworks

So far our tests have been limited to code in an `if __name__ == "__main__":` block.

- They are run only when the file is executed
- They are always run when the file is executed
- You can't do anything else when the file is executed without running tests.

This is not optimal.

Python provides testing systems to help.

Standard Library: `unittest`

The original testing system in Python.

```
import unittest
```

More or less a port of [JUnit](#) from Java