3. Pytest (to be completed)

PYTEST

- Allows users to write test codes using Python
  → Allows users to run test cases for their code even if it doesn't have runnable statements

Advantages

- Free, open source
- Simple syntax
- Runs multiple tests at the same time
- Automatically detects test file and functions
- You can skip certain cases

Features

- No API required
- Useful plugins
- Can be written as function/method   *function inside a class*
- Gives failure info without using debuggers
- Can run doc tests and unit tests

Setup

"pip install pytest" to the directory Python is installed in

"pytest -h" to confirm

FUNCTIONS

assert

assert [condition], [statement]

If condition == True:
    Execution continues, specified statement is ignored

If condition == False:
    Execution stops at assert statement, statement is executed
    If there are successive statements beyond assert, AssertionError