

# Python unittesting

⇒ unittest module is in the standard library.  
`import unittest`

`class TestModuleName(unittest.TestCase):`

Any name

{Should inherit from  
this class}

`def test_Name(self):`

{This is important}

`assertEqual(a, b)`

`assertNotEqual(a, b)`

`assertTrue(x)`

`assertFalse(x)`

`assertIsNone(x)`

`assertIsNotNone(x)`

⇒ Running the test

`python -m unittest test_name.py`

`if __name__ == '__main__':`

`unittest.main()`

→ `python3 test_name.py`

⇒ Checking of exception:

`self.assertRaises(ValueError, calc.divide)`  
`, 10, 0`

or

`with self.assertRaises(ValueError):`  
`calc.divide(10, 0)`

`def setUp(self):`  
`pass`

→ {Will run before  
every single  
code}

`def tearDown(self):`  
`pass`

→ {Will run  
after every  
single test}

@ classmethod

`def setUpClass(cls):`

`pass`

→ {First  
class  
to run}

@ classmethod

`def tearDownClass(cls):`

`pass`

→ {Last class  
function  
run}

