

2. Một số function trong unit-test thường dùng.

2.1. Các function trong unit-test trả về True/False

`assertEqual(value1, value2)`
--> Trả về True: Nếu giá trị value1 == value2
--> Trả về False: nếu value1 != value2

`assertTrue(value)`
--> Trả về True: Nếu giá trị value == True
--> Trả về False: nếu value1 == False

`assertFalse(value)`
--> Trả về True: Nếu giá trị value == False
--> Trả về False: nếu value1 == True

`with self.assertRaises(TypeError):`
`--expressions--`

Trả về True: Nếu trong các expressions phát sinh ra lỗi `TypeError`
Trả về False: Nếu trong expressions không phát sinh ra lỗi

2.2. Các function khác

Method	Checks that
<code>assertNotEqual(a, b)</code>	<code>a != b</code>
<code>assertIs(a, b)</code>	<code>a is b</code>
<code>assertIsNot(a, b)</code>	<code>a is not b</code>
<code>assertIsNone(x)</code>	<code>x is None</code>
<code>assertIsNotNone(x)</code>	<code>x is not None</code>
<code>assertIn(a, b)</code>	<code>a in b</code>
<code>assertNotIn(a, b)</code>	<code>a not in b</code>
<code>assertIsInstance(a, b)</code>	<code>isinstance(a, b)</code>

<code>assertNotIsInstance(a, b)</code>	
<code>assertAlmostEqual(a, b)</code>	<code>round(a-b, 7) == 0</code>
<code>assertNotAlmostEqual(a, b)</code>	<code>round(a-b, 7) != 0</code>
<code>assertGreater(a, b)</code>	<code>a > b</code>
<code>assertGreaterEqual(a, b)</code>	<code>a >= b</code>
<code>assertLess(a, b)</code>	<code>a < b</code>
<code>assertLessEqual(a, b)</code>	<code>a <= b</code>
<code>assertRegex(s, r)</code>	<code>r.search(s)</code>
<code>assertNotRegex(s, r)</code>	<code>not r.search(s)</code>
<code>assertCountEqual(a, b)</code>	<code>a and b have the same elements in the same number, regardless of their order</code>

2.3. Các function so sánh các kiểu dữ liệu khác nhau.

Method	Used to compare
<code>assertMultiLineEqual(a, b)</code>	strings
<code>assertSequenceEqual(a, b)</code>	sequences
<code>assertListEqual(a, b)</code>	lists
<code>assertTupleEqual(a, b)</code>	tuples
<code>assertSetEqual(a, b)</code>	sets or frozensets

assertDictEqual(a, b)

dicts