

Python unittest Assertions

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Assertions		
Method	Checks that	New in
<code>assertEqual(a, b)</code>	<code>a == b</code>	
<code>assertNotEqual(a, b)</code>	<code>a != b</code>	
<code>assertTrue(x)</code>	<code>bool(x) is True</code>	
<code>assertFalse(x)</code>	<code>bool(x) is False</code>	
<code>assertIs(a, b)</code>	<code>a is b</code>	2.7
<code>assertIsNot(a, b)</code>	<code>a is not b</code>	2.7
<code>assertIsNone(x)</code>	<code>x is None</code>	2.7
<code>assertIsNotNone(x)</code>	<code>x is not None</code>	2.7
<code>assertIn(a, b)</code>	<code>a in b</code>	2.7
<code>assertNotIn(a, b)</code>	<code>a not in b</code>	2.7
<code>assertIsInstance(a, b)</code>	<code>isinstance(a, b)</code>	2.7
<code>assertNotIsInstance(a, b)</code>	<code>not isinstance(a, b)</code>	2.7
<code>assertRaises(exc, fun, args, *kwds)</code>	<code>fun(*args, **kwds) raises exc</code>	
<code>assertRaisesRegexp(exc, r, fun, args, *kwds)</code>	<code>round(a-b, 7) == 0</code>	2.7
<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>	2.7
<code>assertGreaterEqual(a, b)</code>	<code>a >= b</code>	
<code>assertLess(a, b)</code>	<code>a < b</code>	2.7
<code>assertLessEqual(a, b)</code>	<code>a <= b</code>	2.7
<code>assertRegexpMatches(s, r)</code>	<code>r.search(s)</code>	2.7
<code>assertNotRegexpMatches(a, b)</code>	<code>not r.search(s)</code>	2.7
<code>assertItemsEqual(a, b)</code>	<code>sorted(a) == sorted(b)</code> Works with unhashable objects	
<code>assertDictContainsSubset(a, b)</code>	All the key/value pairs in a exist in b	2.7

Notes

- All the assert methods except `assertRaises()` and `assertRaisesRegexp()` accept a `msg` argument that, if specified, is used as the error message on failure.

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