

# JUnit Quick Reference

## Assert junit.framework

```
Object
└─ Assert
-----
protected . . . . . Assert ()
public static . . . . . void assertEquals (String message,
    Object expected, Object actual)
public static . . . . . void assertEquals (Object expected, Object actual)
public static . . . . . void assertEquals (String message, [double|float] expected,
    [double|float] actual, [double|float] delta)
public static . . . . . void assertEquals ([double|float] expected, [double|float] actual,
    [double|float] delta)
public static . . . . . void assertEquals (String message,
    [boolean|byte|char|int|long|short] expected,
    [boolean|byte|char|int|long|short] actual)
public static . . . . . void assertEquals ([boolean|byte|char|int|long|short] expected,
    [boolean|byte|char|int|long|short] actual)
public static . . . . . void assertNotNull (String message, Object object)
public static . . . . . void assertNotNull (Object object)
public static . . . . . void assertNull (String message, Object object)
public static . . . . . void assertNull (Object object)
public static . . . . . void assertEquals (String message,
    Object expected, Object actual)
public static . . . . . void assertEquals (Object expected, Object actual)
public static . . . . . void assertTrue (String message, boolean condition)
public static . . . . . void assertTrue (boolean condition)
public static . . . . . void fail (String message)
public static . . . . . void fail ()
```

## Test (interface) junit.framework

```
Test
-----
public . . . . . int countTestCases ()
public . . . . . void run (TestResult result)
```

## TestCase (abstract) junit.framework

```
Object
└─ Assert
    └─ TestCase-----Test
-----
28 static methods from Assert not shown
public . . . . . int countTestCases ()
protected . . .TestResult createResult ()
public . . . . . String getName ()
public . . . . . String name ()
public . . . . . TestResult run ()
public . . . . . void run (TestResult result)
public . . . . . void runBare ()
protected . . . . . void runTest ()
public . . . . . void setName (String name)
protected . . . . . void setUp ()
protected . . . . . void tearDown ()
public . . . . . TestCase (String name)
public . . . . . String toString ()
```

## TestSuite junit.framework

```
Object
└─ TestSuite-----Test
-----
6 rarely used methods not shown
public . . . . . void addTest (Test test)
public . . . . . void addTestSuite (Class testClass)
public . . . . . void run (TestResult result)
public . . . .Enumeration tests ()
public . . . . . TestSuite ()
public . . . . . TestSuite (Class theClass)
public . . . . . TestSuite (String name)
public . . . . .String toString ()
```

## TestDecorator junit.extensions

```
Object
└─ junit.framework.Assert
    └─ TestDecorator-----junit.framework.Test
-----
28 static methods from Assert not shown
public . . . . . void basicRun (junit.framework.TestResult result)
public . . . . . int countTestCases ()
protected . . . . . fTest
    . . .junit.framework.Test
public . . . . . getTest ()
    . . .junit.framework.Test
public . . . . . void run (junit.framework.TestResult result)
public . . . . . TestDecorator (junit.framework.Test test)
public . . . . .String toString ()
```

## Test Template

```
import junit.framework.*;

public class TestTemplate extends TestCase {
    //Variables, inner classes used by tests

    public static Test suite () { return new TestSuite(TestTemplate.class); }
    public TestTemplate (String name) { super(name); }

    protected void setUp () { /* Code to set up a fresh scaffold for each test */}
    protected void tearDown () { /* Code to destroy the scaffold after each test */}
    public void testSomething () { /* do something and assert success */}
    // other test methods
}
```



**Assert** junit.framework

Object  
Assert

protected . . . . . Assert ()

public static . . . . . assertEquals (String message, Object expected, Object actual)

public static . . . . . assertEquals (Object expected, Object actual)

public static . . . . . assertEquals (String message, [double/float] expected, [double/float] actual, [double/float] delta)

public static . . . . . assertEquals (String message, [boolean/byte/char/int/long/short] expected, [boolean/byte/char/int/long/short] actual)

public static . . . . . assertEquals (String message, Object object)

public static . . . . . assertEquals (Object expected, Object actual)

public static . . . . . assertEquals (String message, Object object)

public static . . . . . assertEquals (String message, boolean condition)

public static . . . . . fail (String message)

public static . . . . . fail ()

**Test (interface)** junit.framework

Test  
public . . . . . int countTestCases ()

public . . . . . void run (TestResult result)

**TestCase (abstract)** junit.framework

Object  
Assert  
Test  
TestCase

28 static methods from Assert not shown

public . . . . . int countTestCases ()

protected . . . . . String getName ()

public . . . . . String name ()

public . . . . . TestResult run ()

public . . . . . void run (TestResult result)

public . . . . . void runBare ()

protected . . . . . void runTest ()

public . . . . . void setName (String name)

protected . . . . . void setUp ()

protected . . . . . void tearDown ()

public . . . . . void TestCase (String name)

public . . . . . String toString ()

**TestSuite** junit.framework

Object  
TestSuite

6 rarely used methods not shown

public . . . . . void addTest (Test test)

public . . . . . void addTestSuite (Class testClass)

public . . . . . void run (TestResult result)

public . . . . . Enumeration tests ()

public . . . . . TestSuite ()

public . . . . . TestSuite (Class theClass)

public . . . . . TestSuite (String name)

public . . . . . String toString ()

public . . . . . TestDecorator (junit.framework.Test test)

public . . . . . TestDecorator (junit.framework.Test test)

**Test Template** junit.framework.\*

28 static methods from Assert not shown

public . . . . . void basicRun (junit.framework.TestResult result)

public . . . . . int countTestCases ()

protected . . . . . fTest

public . . . . . junit.framework.Test getTest ()

public . . . . . junit.framework.TestResult run (junit.framework.TestResult result)

public . . . . . TestDecorator (junit.framework.Test test)

public . . . . . String toString ()

import junit.framework.\*;

public class TestTemplate extends TestCase {  
//Variables, inner classes used by tests  
public static Test suite () { return new TestSuite(TestTemplate.class); }  
public TestTemplate (String name) { super(name); }  
protected void setUp () { /\* Code to set up a fresh scaffold for each test \*/  
protected void tearDown () { /\* Code to destroy the scaffold after each test \*/  
public void testSomething () { /\* do something and assert success \*/  
// other test methods  
}



CONSULTANTS

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