**What is JUnit?**

JUnit is a simple, open source framework to write and run repeatable tests. JUnit features include:

* Assertions for testing expected results
* Test fixtures for sharing common test data
* Test runners for running tests

JUnit is a unit testing framework for Java programming language. JUnit has been important in the development of test-driven development and is one of a family of unit testing frameworks collectively known as xUnit, that originated with Junit.

JUnit was originally written by Erich Gamma and Kent Beck

@BeforeClass – Run once before any of the test methods in the class, public static void

@AfterClass – Run once after all the test methods in the class, public static void

@Before – Run before @Test, public void

@After – Run after @Test, public void

@Test – This is the test method to run, public void

@Test(timeout=5000) – which causes a test to fail if it takes longer then specified time[milliseconds]

@Ignore – to ignore test.

[ test order is based upon alphabetic order of the test cases]