JUnit

- Unit test framework for Java
- TDD (Test driven development)
- First write your test then code
- Open Source
- Less Complex
- Provide assertions
- Can be automated
- Etc.

How to

1. Mark your methods with @Test annotation
2. Use assert statements – assertEquals, assertNotNull etc.
3. Write both positive and negative test cases
4. Use code coverage to find out remaining code that is not tested

Features

JUnit test framework provides following important features

5. Fixtures – startUp and tearDown methods – ensure the clean state of data before and after running Test
6. Test suites – to combine tests
7. Test runners – final result of the tests - for executing the test cases
8. JUnit classes – test classes

@Ignore annotation - to ignore

@RunWith(Parameterized.class) – Parameterized tests allow developer to run the same test over and over again using different values