TestNG

- open source unit test framework

- TDD Test Driven Development

Purpose

- design test cases in proper way

- Generate html report

- annotations

- priorities

- dependencies

- grouping (reports will be generated in groups, keyword - groups)

- data provider

Java testing framework - works only for java

**Installation**

1. Download TestNG plugin for eclipse from “<http://beust.com/eclipse/>”
   1. Go to Help in eclipse.
   2. Add the URL in the “Work with” field - TestNG option will be displayed below.
   3. Check the checkbox and also check last option “Contact \*\*\*\*\*” and click Next & Finish.

**Annotations**

> Executed in below order:

@BeforeSuite @AfterSuite

@BeforeTest @AfterTest

@BeforeClass @AfterClass

@BeforeMethod @AfterMethod

@Test - No of test cases

> Each annotation should be associated with a method

> If there are 2 test cases, it will be executed in the below order:

@BeforeSuite

@BeforeTest

@BeforeClass

@BeforeMethod @Test1 @AfterMethod

@BeforeMethod @Test2 @AfterMethod

@AfterClass

@AfterTest

@AfterSuite

> Can also add priority to execute test cases in priority order

@Test1(priority=1)

@Test2(priority=2)

**Create a testcase**

1. Create a package
2. Create a class - Do not select main method option
3. Run it as TestNG