TESTNG ANNOTATIONS

**@Test:**Marks a class or a method as a part of the test.

**@BeforeMethod:** A method which is marked with this annotation will be executed before every **@test** annotated method.

**@AfterMethod:** A method which is marked with this annotation will be executed after every **@test** annotated method.

**@BeforeClass:** A method which is marked with this annotation will be executed before ***first @Test*** method execution. It runs only once per class.

**@AfterClass:**A method which is marked with this annotation will be executed after all the test methods in the current class have been run

**@BeforeTest:** A method which is marked with this annotation will be executed before ***first @Test*** annotated method.

**@AfterTest:**A method which is marked with this annotation will be executed when **all @Test** annotated methods complete the execution of those classes which are inside <test> tag in testng.xml file.

**@BeforeSuite:**A method which is marked with this annotation will run **only once before** all tests in the suite have run

**@AfterSuite:**A method which is marked with this annotation will run **once after** execution of all tests in the suite have run

**@BeforeGroups:**This annotated method will run **before the first test run** of that specific group.

**@AfterGroups:**This annotated method will run **after all test methods** of that group completes its execution.

FRAMEWORK

**@Parameters:**This annotation is used to pass parameters to test methods.

**@DataProvider:**If we use @DataProvider annotation for any method that means you are using that method as a data supplier. The configuration of @DataProvider annotated method must be like it always return Object[][] which we can use in @Test annotated method. The @Test method that wants to receive data from this DataProvider needs to use a dataProvider name equals to the name of this annotation.

**@Factory:**Marks a method as a factory that returns objects that will be used by TestNG as Test classes. The method must return Object[ ].

**@Listeners:**This annotation is used with test class. It helps in writing logs and results.