**Test Annotations:**

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd">

<suite name=*"BasicSuite"*>

<test thread-count=*"5"* name=*"TextBoxTest"*>

<classes>

<class name=*"TestNGExamples.TextBox"*/>

</classes>

</test> <!-- Test -->

<test thread-count=*"5"* name=*"TextAreaTest"*>

<classes>

<class name=*"TestNGExamples.TextArea"*/>

</classes>

</test> <!-- Test -->

<test thread-count=*"5"* name=*"CheckBoxesTest"*>

<classes>

<class name=*"TestNGExamples.CheckBoxes"*/>

</classes>

</test> <!-- Test -->

<test thread-count=*"5"* name=*"RadioButtonsTest"*>

<classes>

<class name=*"TestNGExamples.RadioButtons"*/>

</classes>

</test> <!-- Test -->

</suite> <!-- Suite -->

@BeforeTest – This method will be executed before the tests in a test folder

@AfterTest – This method will be executed after the tests in a test folder

@BeforeSuite – This method will be executed before the test suite

@AfterSuite – This method will be executed after the test suite

@BeforeMethod – This method will be executed before each method in a test folder

@AfterMethod – This method will be executed after each method in a test folder’

@BeforeClass – This method will be executed before any method with in a class

@AfterClass – This method will be executed after all the methods with in a class

@BeforeTest and @AfterTest will be run before and after a test. For example if we these in TextBox.java and when we runt he TestNG xml, @BeforeTest method will run before all the methods in TextBox.java and @AfterTest method will run after all the methods in TextBox.java.

These can be used if you have to clear the database tables before running tests etc.

@BeforeSuite and @AfterSuite will run before and after test suite. For example if we have these in any program when we run the TestNG xml,@BeforeSuite method will run before all the methods in all tests under that suite and @AfterSuite will run after all the methods in all tests under the Suite.

These can be used if you want to set the environment variables. Let’s say your environments change for your execution and in these cases you can use this.

@BeforeMethod and @AfterMethod will run before and after each method in a test folder.

If you have to do some validations before and after each method like checking if the server is up or not etc., then we can use these annotations.

@BeforeClass and @AfterClass will run before and after each class.