**Annotations:**

import org.testng.annotations.AfterSuite;

import org.testng.annotations.BeforeSuite;

public class Annotation {

@BeforeSuite //runs at the very beginning of the suite execution

public void first()

{

System.out.println("I run first");

}

@AfterSuite //runs at the very end

public void last()

{

System.out.println("I run last");

}

}

**Data Provider:**

import org.testng.annotations.DataProvider;

import org.testng.annotations.Parameters;

import org.testng.annotations.Test;

public class DataProvided {

@Test

@Parameters({"userid"})

public void parametere(String Userid)

{

System.out.println(Userid);

}

@Test(dataProvider="getdata")

public void userid(String id,String pswrd, String something)

{

System.out.println(id);

System.out.println(pswrd);

System.out.println(something);

}

@DataProvider

public Object[][] getdata()

{

Object[][] obj = new Object[3][3];

obj[0][0]= "Hey";

obj[0][1]= "How";

obj[0][2]= "are you";

obj[1][0]= "1Hey";

obj[1][1]= "1How";

obj[1][2]= "1are you";

obj[2][0]= "2Hey";

obj[2][1]= "2How";

obj[2][2]= "2are you";

return obj;

}

}

**Depends and Enabled**:

import org.testng.annotations.Test;

public class DependsandEnabled {

@Test

public void name()

{

System.out.println("Dependant method");

}

@Test(dependsOnMethods=("name"),alwaysRun=true) //depends on the method mentioned. always run runs the code without any exception.

public void namee()

{

System.out.println("Depends on name method");

}

@Test(enabled=false)//skips this method

public void names()

{

System.out.println("Skip me!");

}

@Test(timeOut=5000) //fails the test case if the test is not executed in the given time.

public void bro()

{

System.out.println("Time out--> fail the test after 5 secs");

}

}

**Read in file property**:

import java.io.FileInputStream;

import java.io.FileNotFoundException;

import java.util.Properties;

import org.testng.annotations.Test;

public class Readinfileprop {

@Test

public void UserName() throws Exception

{ //give the properties file location for the file input stream

FileInputStream file = new FileInputStream("C:\\Users\\Bonny\\workspace\\TestNGTuts\\src\\datadriven.properties");

Properties prop = new Properties(); //use the properties method from java

prop.load(file); //load the property file

System.out.println(prop.getProperty("username"));

System.out.println(prop.getProperty("password"));

}

}

TestNG:

import org.testng.annotations.AfterMethod;

import org.testng.annotations.AfterTest;

import org.testng.annotations.BeforeMethod;

import org.testng.annotations.BeforeTest;

import org.testng.annotations.Parameters;

import org.testng.annotations.Test;

public class Testng {

@BeforeMethod //runs before every method

public void hello()

{

System.out.println("Hola");

}

@AfterMethod //runs after every method

public void Shut()

{

System.out.println("Shut it!!");

}

@BeforeTest //runs only once at the beginning of the test

public void say()

{

System.out.println("Speak Spanish?");

}

@Test //doesn't need a main method to run the program. and depends based on alphabetical order of the method name

public void Aname()

{

System.out.println("Amigo");

}

@Test

public void Bname()

{

System.out.println("Primo");

}

@AfterTest //Runs one time after all the tests have been executed.

public void lol()

{

System.out.println("Okay! STOP!");

}

@Test

@Parameters({"userid"})

public void parametere(String Userid)

{

System.out.println(Userid);

}

}