**Running Tests in Parallel in TestNG:**

We can run tests in parallel using parallel attribute in testNG xml.

The parallel attribute accepts the following values.

*tests –*All the test cases inside <test> tag of testng.xml file will run parallel

*classes –*All the test cases inside a java class will run parallel

*methods* – All the methods with *@Test* annotation will execute parallel

*instances –*Test cases in same instance will execute parallel but two methods of two different instances will run in different thread.

Example:

**package** TestNGExamples;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.chrome.ChromeDriver;

**import** org.openqa.selenium.firefox.FirefoxDriver;

**import** org.testng.annotations.Test;

**public** **class** ParallelRunning {

@Test

**public** **static** **void** TextArea1() {

System.*setProperty*("webdriver.gecko.driver", "C:\\BrowserDrivers\\geckodriver.exe");

WebDriver driver = **new** FirefoxDriver();

driver.get("file:///D:/Selenium%20Course/Java/index.html");

System.***out***.println(driver.findElement(By.*id*("description")).getText());

driver.quit();

}

@Test(groups={"smoke"})

**public** **static** **void** TextArea2() **throws** InterruptedException {

System.*setProperty*("webdriver.chrome.driver", "C:\\BrowserDrivers\\chromedriver.exe");

WebDriver driver = **new** ChromeDriver();

driver.get("file:///D:/Selenium%20Course/Java/index.html");

driver.findElement(By.*id*("description")).sendKeys("This is description");

Thread.*sleep*(3000);

driver.quit();

}

}

**TestNG XML:**

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

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

<suite name=*"BasicSuite"*>

<test parallel=*"methods"* thread-count=*"2"* name=*"ParallelTest"*>

<parameter name=*"URL"* value=*"file:///D:/Selenium%20Course/Java/index.html"*/>

<classes>

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

</classes>

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

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