**PROGRAM FOR PARALLEL TEST USING SELENIUM**

**CODE:**

package july19;

import java.util.concurrent.TimeUnit;

import org.testng.annotations.Test;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.ie.InternetExplorerDriver;

import org.testng.annotations.AfterClass;

import org.testng.annotations.BeforeClass;

import org.testng.annotations.Parameters;

public class ParallelTest {

public WebDriver driver;

@BeforeClass

@Parameters("browser")

// Passing Browser parameter from TestNG xml

public void beforeTest(String browser) throws InterruptedException {

// If the browser is Firefox, then do this

if(browser.equalsIgnoreCase("chrome")) {

System.setProperty("webdriver.chrome.driver","C:\\Program Files\\Java\\jdk1.8.0\_131\\chromedriver.exe");

driver = new ChromeDriver();

driver.get("http://demo.guru99.com/V4/");

Thread.sleep(2000);

// If browser is IE, then do this

}else if (browser.equalsIgnoreCase("ie")) {

// Here I am setting up the path for my IEDriver

System.setProperty("webdriver.ie.driver","C:\\Program Files\\Java\\jdk1.8.0\_131\\IEDriverServer.exe");

driver = new InternetExplorerDriver();

driver.get("http://demo.guru99.com/V4/");

}

// Doesn't the browser type, lauch the Website

driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);

}

// Once Before method is completed, Test method will start

@Test public void login() throws InterruptedException {

//Find user name

WebElement userName = driver.findElement(By.name("uid"));

//Fill user name

userName.sendKeys("guru99");

//Find password

WebElement password = driver.findElement(By.name("password"));

//Fill password

password.sendKeys("guru99");

}

@AfterClass public void afterTest()

driver.quit();

}

}

**XML CODE:**

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

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

<suite name=*"Suite"* parallel=*"tests"*>

<test name=*"ChromeTest"*>

<parameter name=*"browser"* value=*"Chrome"* />

<classes>

<class name=*"july19.ParallelTest"* />

</classes>

</test>

<test name=*"IETest"*>

<parameter name=*"browser"* value=*"ie"* />

<classes>

<class name=*"july19.ParallelTest"* />

</classes>

</test>

</suite>