

Running Tests on Selenium Grid on Multiple Browsers

GridDemo.java

```
package com.Practice;

import java.net.MalformedURLException;
import java.net.URL;
import org.openqa.selenium.Platform;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.remote.DesiredCapabilities;
import org.openqa.selenium.remote.RemoteWebDriver;
import org.testng.Assert;
import org.testng.annotations.AfterTest;
import org.testng.annotations.BeforeTest;
import org.testng.annotations.Test;

public class GridDemo {
    WebDriver driver;

    @BeforeTest
    public void launchApplication() throws MalformedURLException {
        DesiredCapabilities cap = new DesiredCapabilities();
        cap.setBrowserName("chrome");
        cap.setPlatform(Platform.WINDOWS);
        driver = new RemoteWebDriver(new URL("http://localhost:4444/wd/hub"),
cap);

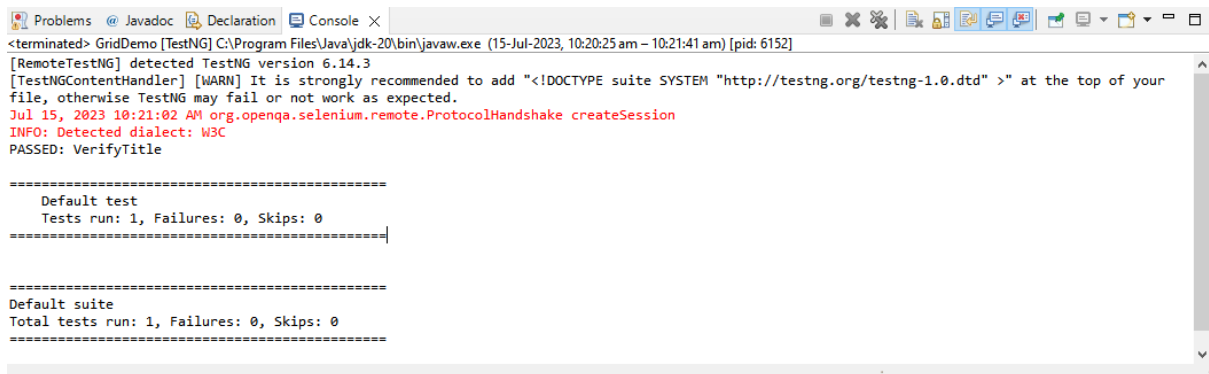
        driver.get("https://facebook.com");
    }
}
```

@Test

```
public void VerifyTitle() {  
  
    String expectedTitle = "Facebook – log in or sign up";  
  
    String actualTitle = driver.getTitle();  
  
    Assert.assertEquals(actualTitle, expectedTitle);  
  
}
```

@AfterTest

```
public void closeBrowser() {  
  
    driver.quit();  
  
}  
  
}
```



The screenshot shows an IDE console window with the following content:

```
<terminated> GridDemo [TestNG] C:\Program Files\Java\jdk-20\bin\javaw.exe (15-Jul-2023, 10:20:25 am – 10:21:41 am) [pid: 6152]  
[RemoteTestNG] detected TestNG version 6.14.3  
[TestNGContentHandler] [WARN] It is strongly recommended to add "<!DOCTYPE suite SYSTEM 'http://testng.org/testng-1.0.dtd' >" at the top of your  
file, otherwise TestNG may fail or not work as expected.  
Jul 15, 2023 10:21:02 AM org.openqa.selenium.remote.ProtocolHandshake createSession  
INFO: Detected dialect: W3C  
PASSED: VerifyTitle  
  
=====  
Default test  
Tests run: 1, Failures: 0, Skips: 0  
=====|  
  
=====  
Default suite  
Total tests run: 1, Failures: 0, Skips: 0  
=====
```