

# Group test cases and parallel test execution

## ParallelTests.java

```
package com.TestNG;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.edge.EdgeDriver;
import org.testng.annotations.Test;

public class ParallelTests {
    WebDriver driver;

    @Test(groups = "Chrome")
    public void LaunchChrome() {
        System.setProperty("webdriver.chrome.driver",
"D:\\Eclipse\\Selenium\\chromedriver_win32\\chromedriver.exe");
        driver = new ChromeDriver();
        driver.get("https://www.facebook.com");
        try {
            Thread.sleep(2000);
        } catch (Exception e) {
            e.printStackTrace();
        }
    }

    @Test(groups = "Chrome", dependsOnMethods = "LaunchChrome")
    public void TryFacebook1() {
        driver.findElement(By.id("email")).sendKeys("abc@gmail.com");
        driver.findElement(By.id("pass")).sendKeys("abc12345");
        driver.findElement(By.name("login")).click();
    }

    @Test(groups = "Edge")
    public void LaunchEdge() {
        System.setProperty("webdriver.edge.driver",
"D:\\Eclipse\\Selenium\\edgedriver_win64\\msedgedriver.exe");
        driver = new EdgeDriver();
        driver.get("https://www.facebook.com");
        try {
            Thread.sleep(4000);
        } catch (Exception e) {
            e.printStackTrace();
        }
    }

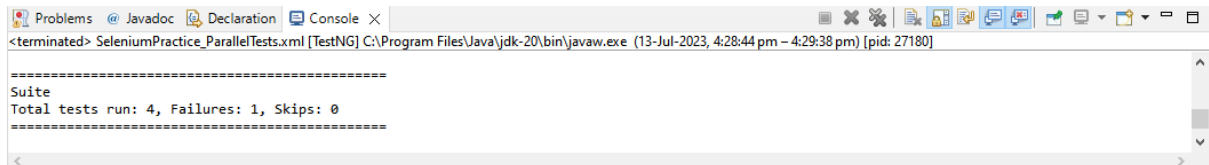
    @Test(groups = "Edge", dependsOnMethods = "LaunchEdge")
    public void TryFacebook2() {
        driver.findElement(By.id("email")).sendKeys("xyz@gmail.com");
        driver.findElement(By.id("pass")).sendKeys("xyz28394");
        driver.findElement(By.name("login")).click();
    }
}
```

## ParallelTests.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">

<suite name="Suite">
  <test thread-count="5" name="Test">
    <classes>
      <class name="com.TestNG.ParallelTests"/>
    </classes>
  </test> <!-- Test -->
</suite> <!-- Suite -->
```

## Output



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

```
<terminated> SeleniumPractice_ParallelTests.xml [TestNG] C:\Program Files\Java\jdk-20\bin\javaw.exe (13-Jul-2023, 4:28:44 pm - 4:29:38 pm) [pid: 27180]

=====
Suite
Total tests run: 4, Failures: 1, Skips: 0
=====
```