BaseTest.Java:
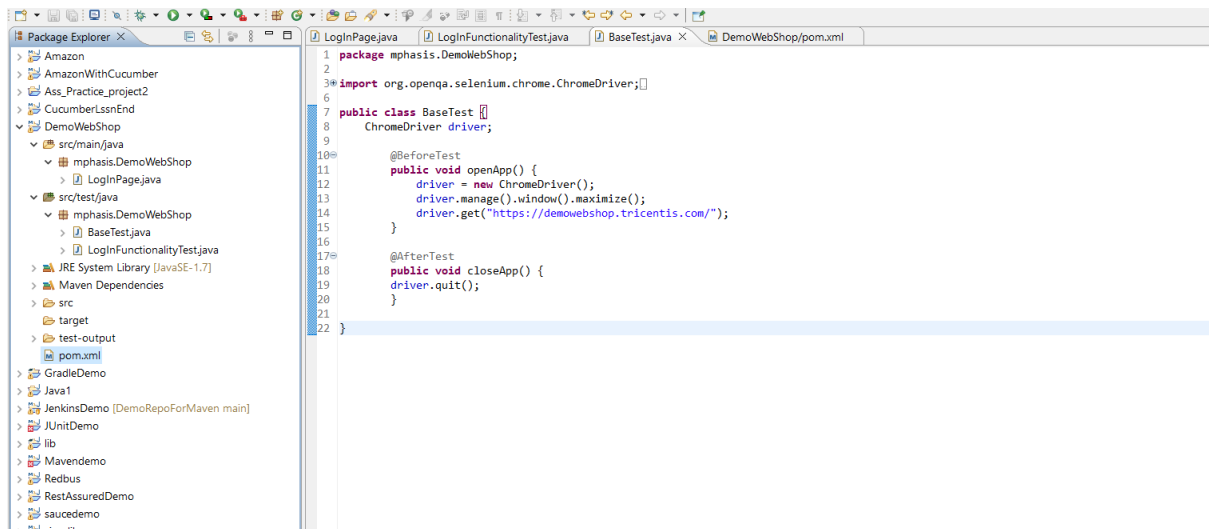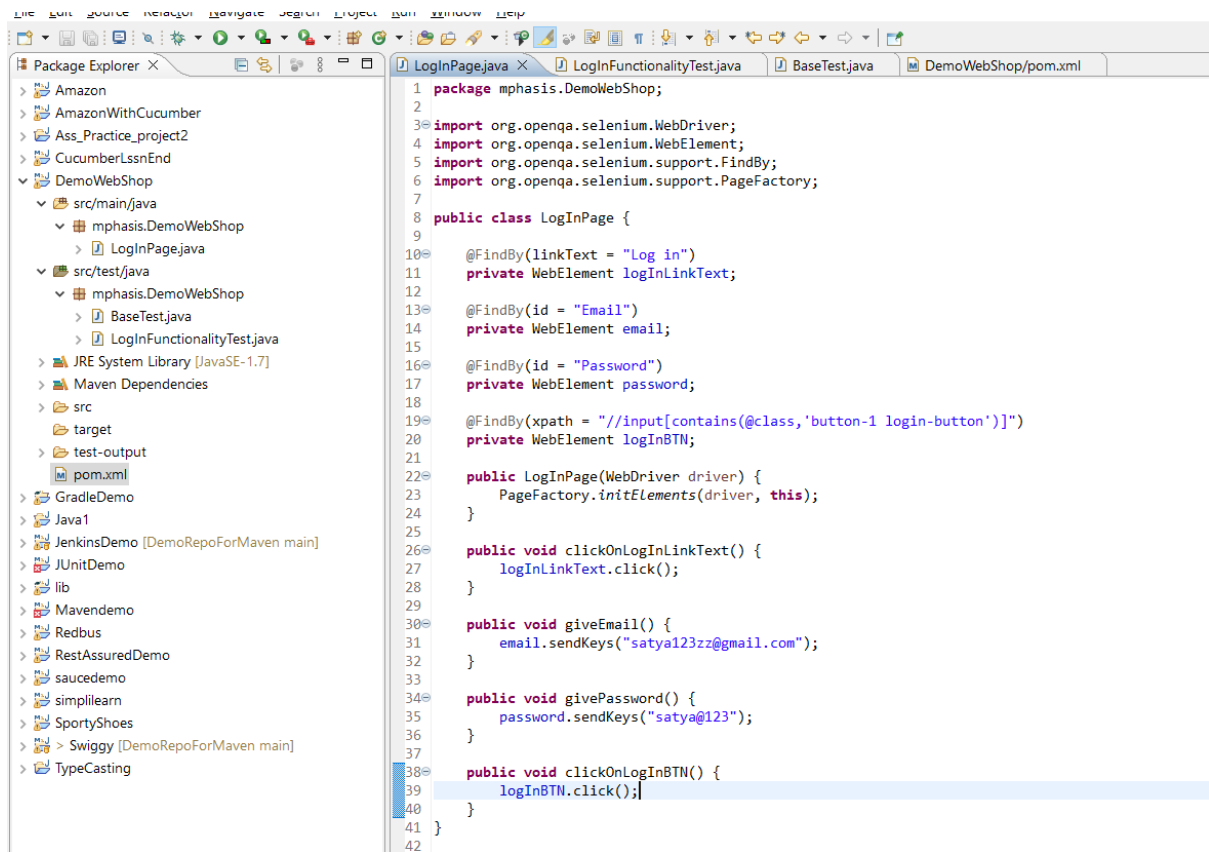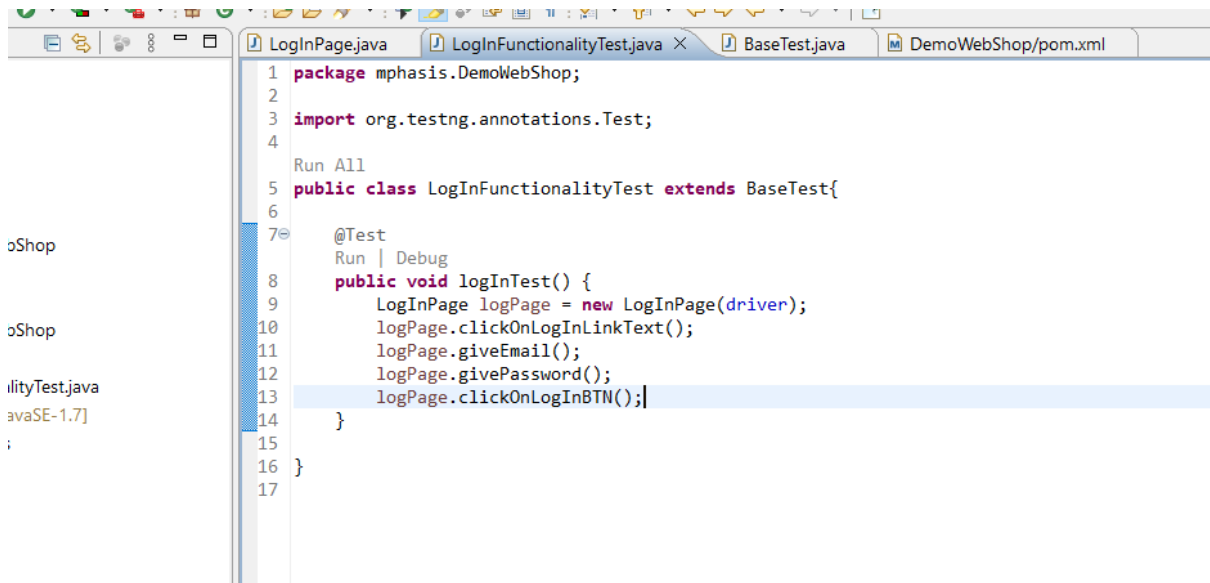
```java
package mphasis.DemoWebShop;

import org.openqa.selenium.chrome.ChromeDriver;

public class BaseTest {
    ChromeDriver driver;

    @BeforeTest
    public void openApp() {
        driver = new ChromeDriver();
        driver.manage().window().maximize();
        driver.get("https://demowebshop.tricentis.com/");
    }

    @AfterTest
    public void closeApp() {
        driver.quit();
    }
}
```

```java
package mphasis.DemoWebShop;

import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.support.FindBy;
import org.openqa.selenium.support.PageFactory;

public class LogInPage {

    @FindBy(linkText = "Log in")
    private WebElement logInLinkText;

    @FindBy(id = "Email")
    private WebElement email;

    @FindBy(id = "Password")
    private WebElement password;

    @FindBy(xpath = "//input[contains(@class,'button-1 login-button')]")
    private WebElement logInBTN;

    public LogInPage(WebDriver driver) {
        PageFactory.initElements(driver, this);
    }

    public void clickOnLogInLinkText() {
        logInLinkText.click();
    }

    public void giveEmail() {
        email.sendKeys("satya123zz@gmail.com");
    }

    public void givePassword() {
        password.sendKeys("satya@123");
    }

    public void clickOnLogInBTN() {
        logInBTN.click();
    }
}
```

```java
package mphasis.DemoWebShop;

import org.testng.annotations.Test;

Run All
public class LogInFunctionalityTest extends BaseTest{

    @Test
    Run | Debug
    public void logInTest() {
        LogInPage logPage = new LogInPage(driver);
        logPage.clickOnLogInLinkText();
        logPage.giveEmail();
        logPage.givePassword();
        logPage.clickOnLogInBTN();
    }

}
```

Output:

```
<terminated> LogInFunctionalityTest [TestNG] C:\Program Files\Java\jdk-20\bin\javaw.exe  (07-Sept-2023, 10:17:34 pm – 10:
Picked up JAVA_TOOL_OPTIONS: -agentlib:jvmhook
Picked up _JAVA_OPTIONS: -Xrunjvmhook -Xbootclasspath/a:"C:\Program Files (x86)\Micro Focus\U
[RemoteTestNG] detected TestNG version 7.7.0
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
ERROR StatusLogger Log4j2 could not find a logging implementation. Please add log4j-core to t
Sept 07, 2023 10:17:37 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 116, so returning the closest version
PASSED: mphasis.DemoWebShop.LogInFunctionalityTest.logInTest

===============================================
    Default test
    Tests run: 1, Failures: 0, Skips: 0
===============================================


===============================================
Default suite
Total tests run: 1, Passes: 1, Failures: 0, Skips: 0
===============================================
```

Results of running class LogInFunctionalityTest

Search:

Passed: 1   Failed: 0   Skipped: 0

Tests: 1/1 Methods: 1 (7340 ms)

All Tests | Failed Tests | Summary

- Default suite (1/0/0/0) (1.606 s)
  - Default test (1.606 s)
    - mphasis.DemoWebShop.LogInFunctionalityTest
      - logInTest (1.606 s)

Failure Exception