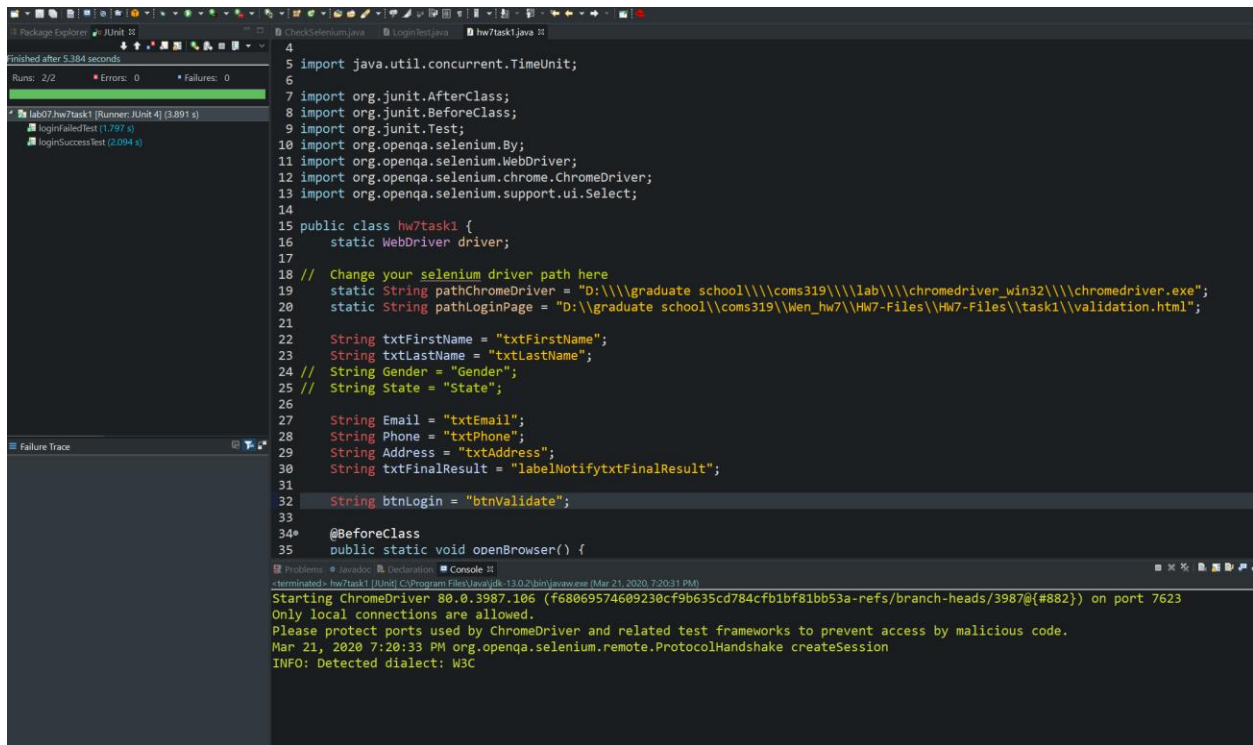


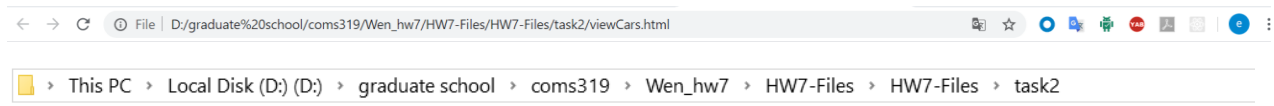
Task 1

Screenshot:



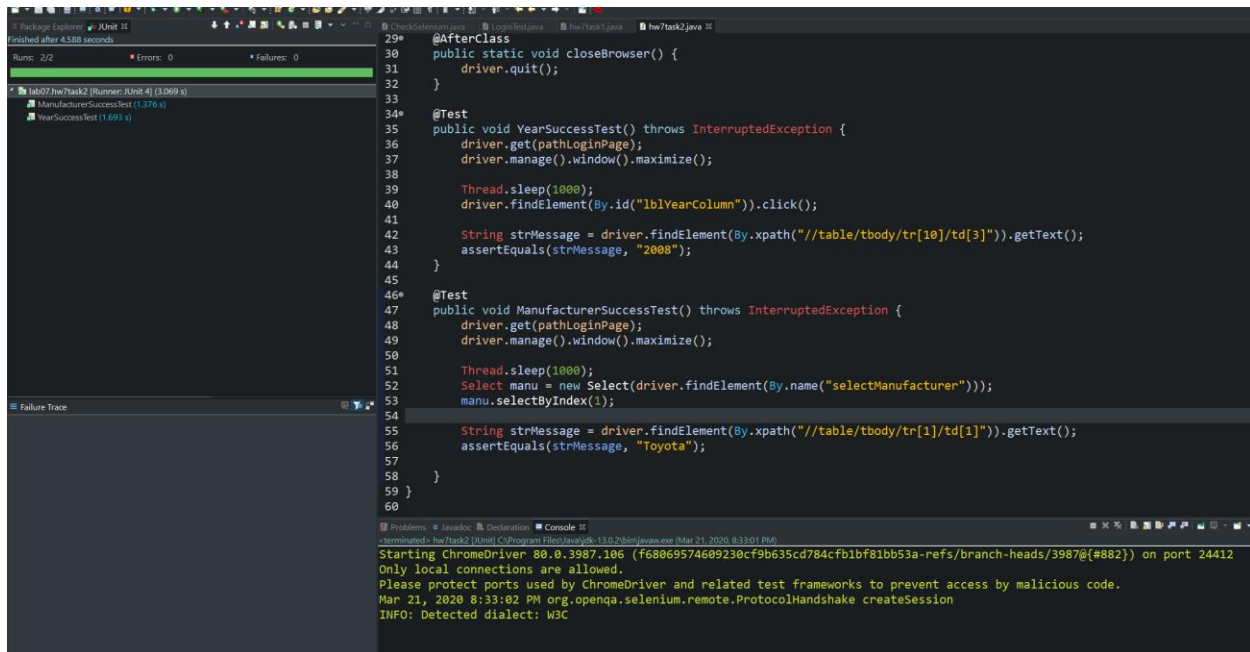
Method:

- Make sure the chromedriver and pathloginpage path is in correct format in Eclipse in Windows 10 system. Html file path can be copied from windows file explorer path or chrome path if you open html page.
- Make sure get correct <id> from html file and map into JUnit java file when dealing with txt input. Use sendKeys("value") to set value. Note: id is <input id=...> not <p id=...>
- Make sure get correct <name> from html file and map into JUnit java file when dealing with drop box. Use Select() and selectByIndex() to pick value from drop box list.



Task 2

Screenshot:



The screenshot shows the Eclipse IDE with a Selenium test project. The left sidebar displays the Package Explorer with a tree view showing 'Int07/hwTask2', 'ManufacturerSuccessTest', and 'YearSuccessTest'. The main editor shows the source code for 'YearSuccessTest.java'. The code includes an '@AfterClass' method to close the browser, an '@Test' method 'YearSuccessTest' that clicks a button and asserts a message, and another '@Test' method 'ManufacturerSuccessTest' that selects a manufacturer and asserts a message. The bottom console window shows the WebDriver initialization log, including the ChromeDriver path and session creation details.

```
29* @AfterClass
30 public static void closeBrowser() {
31     driver.quit();
32 }
33
34* @Test
35 public void YearSuccessTest() throws InterruptedException {
36     driver.get(pathLoginPage);
37     driver.manage().window().maximize();
38
39     Thread.sleep(1000);
40     driver.findElement(By.id("lblYearColumn")).click();
41
42     String strMessage = driver.findElement(By.xpath("//table/tbody/tr[10]/td[3]")).getText();
43     assertEquals(strMessage, "2008");
44 }
45
46* @Test
47 public void ManufacturerSuccessTest() throws InterruptedException {
48     driver.get(pathLoginPage);
49     driver.manage().window().maximize();
50
51     Thread.sleep(1000);
52     Select manu = new Select(driver.findElement(By.name("selectManufacturer")));
53     manu.selectByIndex(1);
54
55     String strMessage = driver.findElement(By.xpath("//table/tbody/tr[1]/td[1]")).getText();
56     assertEquals(strMessage, "Toyota");
57 }
58 }
59 }
60
```

Starting ChromeDriver 80.0.3987.106 (f68069574609230cf9b635cd784cfb1bf81bb53a-refs/branch-heads/3987@{#882}) on port 24412
Only local connections are allowed.
Please protect ports used by ChromeDriver and related test frameworks to prevent access by malicious code.
Mar 21, 2020 8:33:02 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C

Method:

- Make sure the chromedriver and pathloginpage path is in correct format in Eclipse in Windows 10 system. Html file path can be copied from windows file explorer path or chrome path if you open html page.
- We can use X-Path to locate web table element and fetch cell value of a particular row and column of the table "//table/tbody/tr[10]/td[3]"
- The most trivial way to check table is to get table No. of columns and No. of rows and iterate through them to find match. In my case, I simply pick an typical cell value that is representative.
- We can find numbers of rows and columns by

//No. of Columns

```
List col = wd.findElements(By.xpath(".*[@id='leftcontainer']/table/thead/tr/th"));
```

```
System.out.println("Total No of columns are : " + col.size());
```

//No.of rows

```
List rows = wd.findElements(By.xpath(".*[@id='leftcontainer']/table/tbody/tr/td[1]"));
```

```
System.out.println("Total No of rows are : " + rows.size)
```