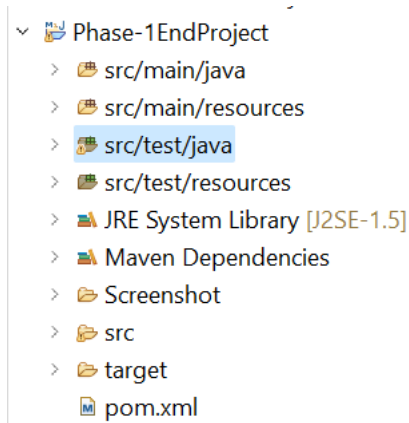
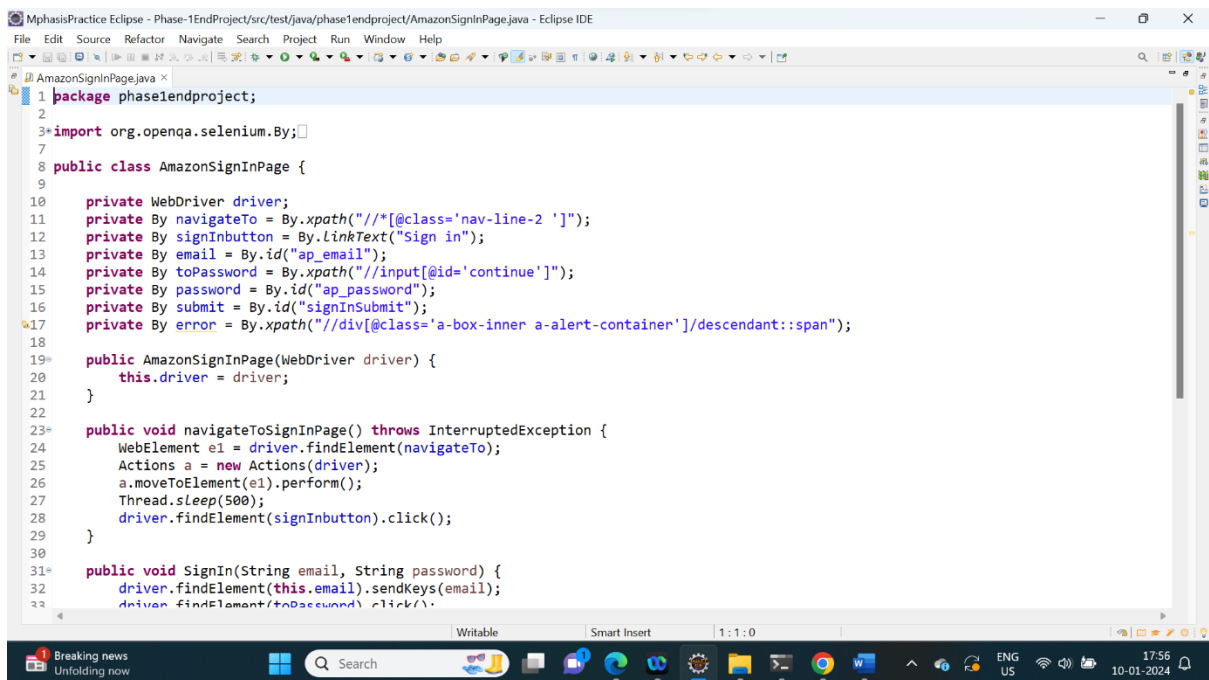


# Phase-1 End Project

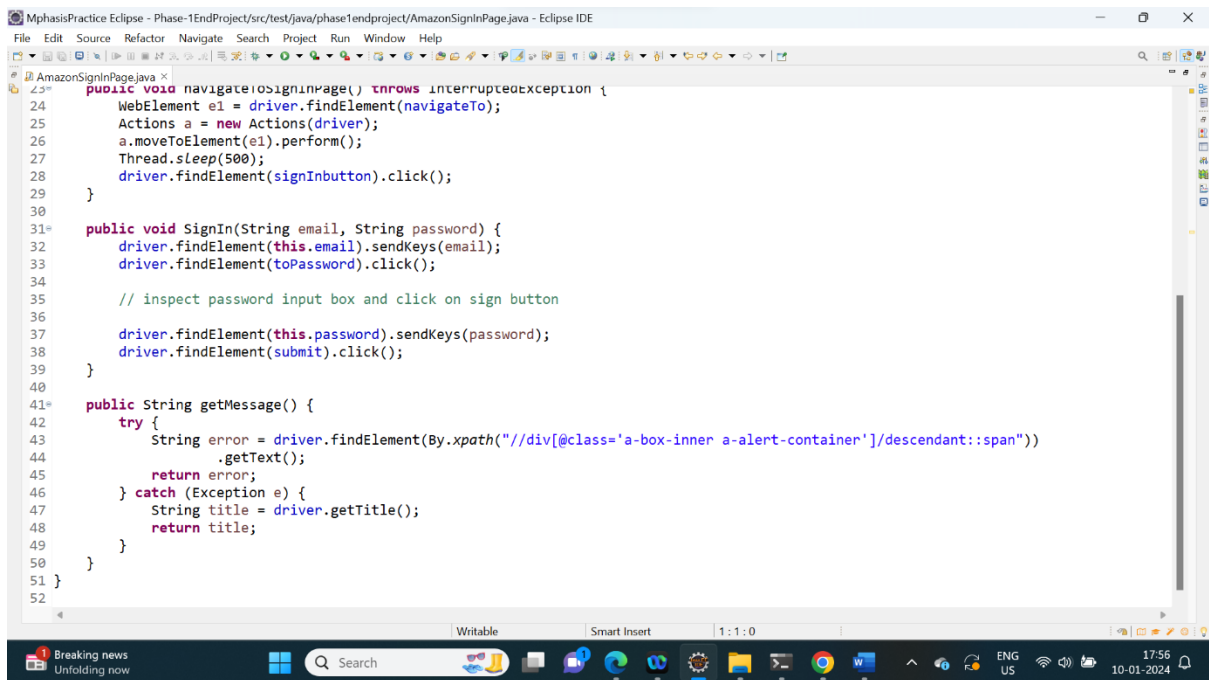
## Step 1: Create a Maven Project as Phase-1EndProject



## Step 2: Create a page object model class AmazonSignInPage to add all elements and methods required for testing the sign in page

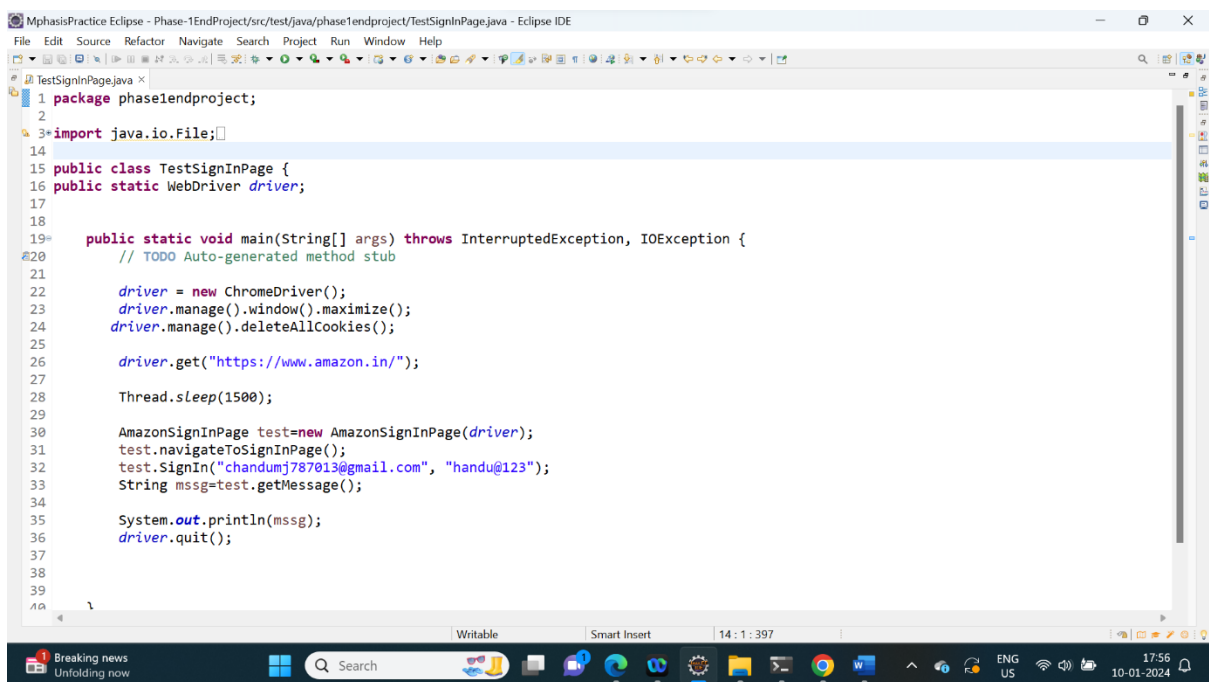


# Phase-1 End Project



```
1 AmazonSignInPage.java x
2
3 package phase1endproject;
4
5 import java.io.IOException;
6
7 public class AmazonSignInPage {
8     private WebDriver driver;
9
10    public void navigateToSignInPage() throws InterruptedException {
11        WebElement e1 = driver.findElement(navigateTo);
12        Actions a = new Actions(driver);
13        a.moveToElement(e1).perform();
14        Thread.sleep(500);
15        driver.findElement(signInbutton).click();
16    }
17
18    public void SignIn(String email, String password) {
19        driver.findElement(this.email).sendKeys(email);
20        driver.findElement(toPassword).click();
21
22        // inspect password input box and click on sign button
23
24        driver.findElement(this.password).sendKeys(password);
25        driver.findElement(submit).click();
26    }
27
28    public String getMessage() {
29        try {
30            String error = driver.findElement(By.xpath("//div[@class='a-box-inner a-alert-container']/descendant::span"))
31                .getText();
32            return error;
33        } catch (Exception e) {
34            String title = driver.getTitle();
35            return title;
36        }
37    }
38 }
39
40 Writable Smart Insert 1:1:0
41 Breaking news Unfolding now 17:56 10-01-2024
```

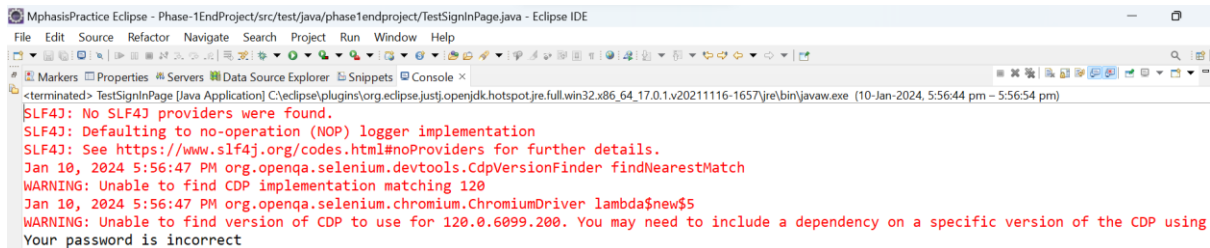
Step 3: Create a class TestSignIn Page to test sign in page and run to test the amazon sign in page



```
1 TestSignInPage.java x
2
3 package phase1endproject;
4
5 import java.io.File;
6
7 public class TestSignInPage {
8     public static WebDriver driver;
9
10    public static void main(String[] args) throws InterruptedException, IOException {
11        // TODO Auto-generated method stub
12
13        driver = new ChromeDriver();
14        driver.manage().window().maximize();
15        driver.manage().deleteAllCookies();
16
17        driver.get("https://www.amazon.in/");
18
19        Thread.sleep(1500);
20
21        AmazonSignInPage test=new AmazonSignInPage(driver);
22        test.navigateToSignInPage();
23        test.SignIn("chandumj787013@gmail.com", "handu@123");
24        String mssg=test.getMessage();
25
26        System.out.println(mssg);
27        driver.quit();
28    }
29 }
30
31 Writable Smart Insert 14:1:397
32 Breaking news Unfolding now 17:56 10-01-2024
```

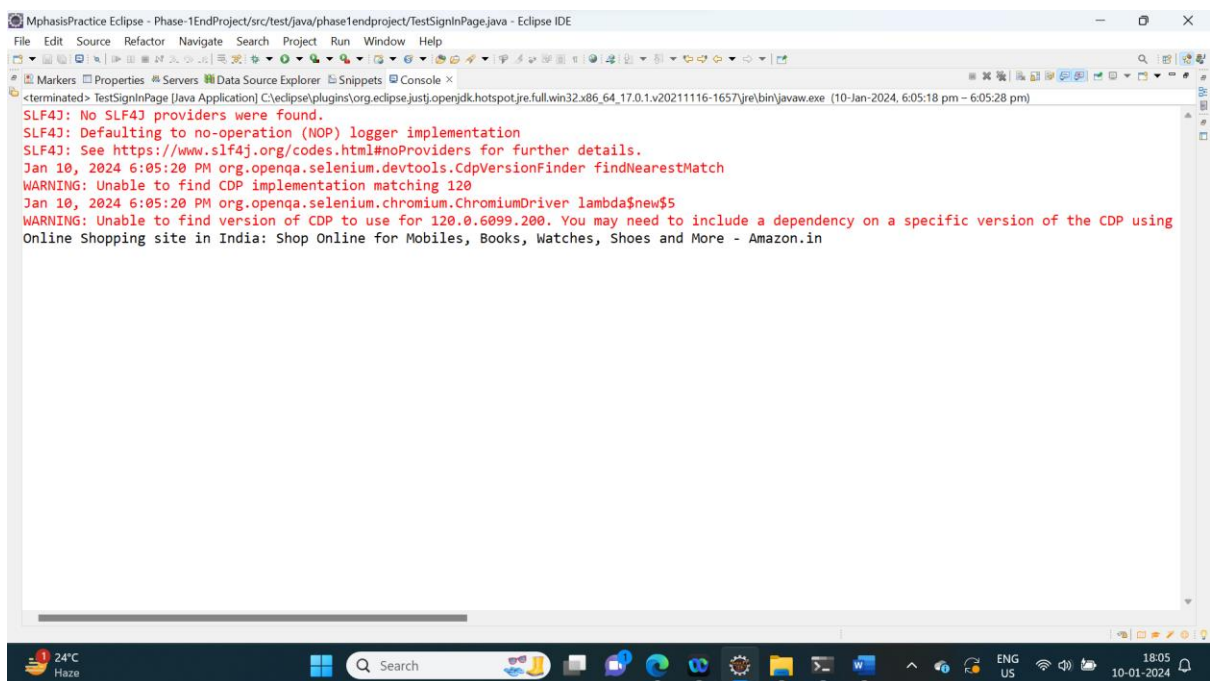
# Phase-1 End Project

If the password entered is wrong you will get output showing error message of the page



```
MphasisPractice Eclipse - Phase-1EndProject/src/test/java/phase1endproject/TestSignInPage.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Markers Properties Servers Data Source Explorer Snippets Console x
<terminated> TestSignInPage [Java Application] C:\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.1.v20211116-1657\jre\bin\javaw.exe (10-Jan-2024, 5:56:44 pm - 5:56:54 pm)
SLF4J: No SLF4J providers were found.
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.
Jan 10, 2024 5:56:47 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find CDP implementation matching 120
Jan 10, 2024 5:56:47 PM org.openqa.selenium.chromium.ChromiumDriver lambda$new$5
WARNING: Unable to find version of CDP to use for 120.0.6099.200. You may need to include a dependency on a specific version of the CDP using
Your password is incorrect
```

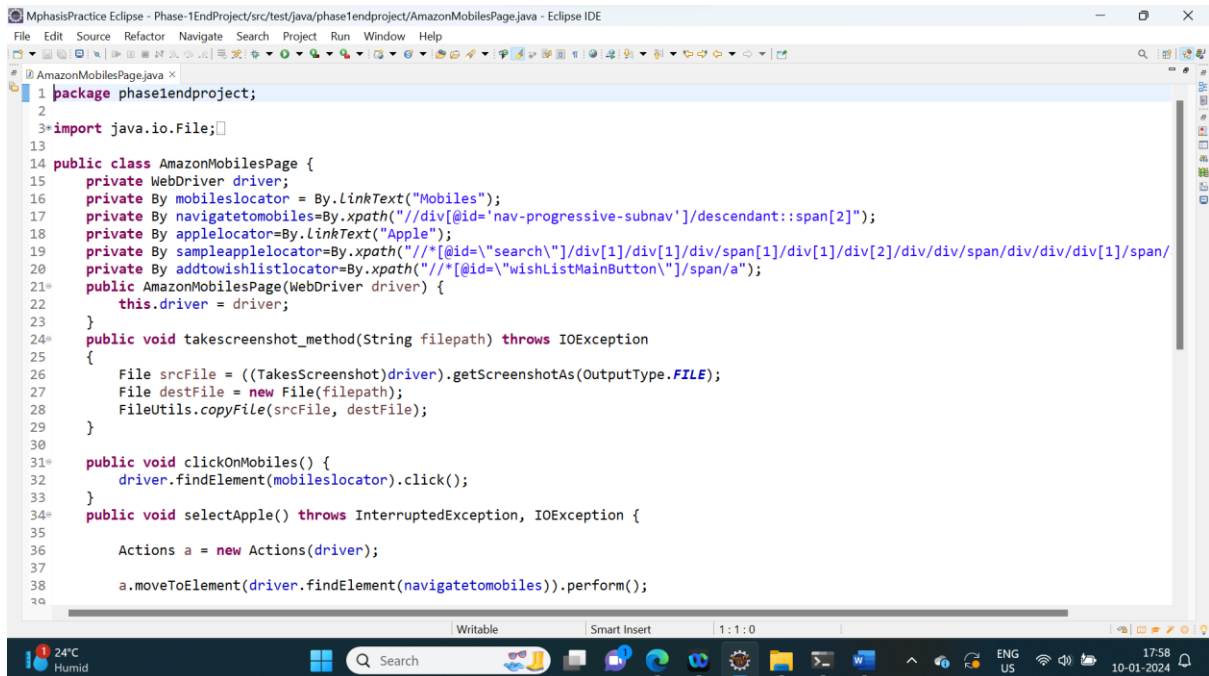
If the Details Entered was correct then it will move to home page and print the output the title of the homepage



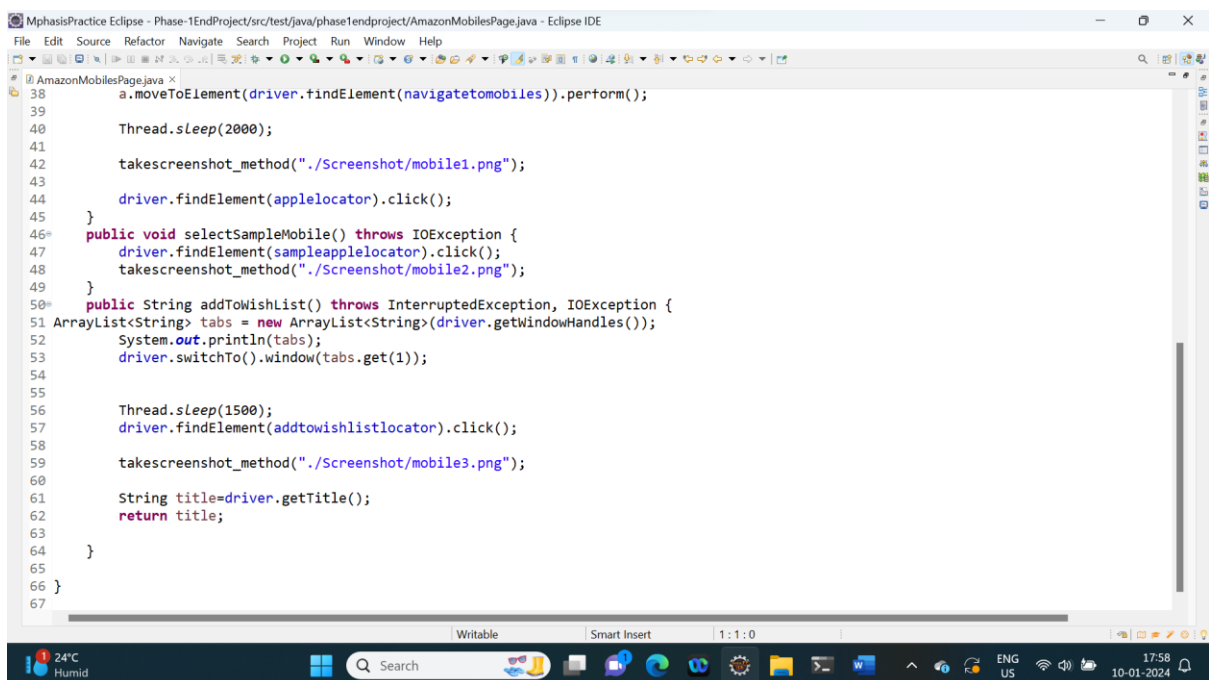
```
MphasisPractice Eclipse - Phase-1EndProject/src/test/java/phase1endproject/TestSignInPage.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Markers Properties Servers Data Source Explorer Snippets Console x
<terminated> TestSignInPage [Java Application] C:\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.1.v20211116-1657\jre\bin\javaw.exe (10-Jan-2024, 6:05:18 pm - 6:05:28 pm)
SLF4J: No SLF4J providers were found.
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.
Jan 10, 2024 6:05:20 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find CDP implementation matching 120
Jan 10, 2024 6:05:20 PM org.openqa.selenium.chromium.ChromiumDriver lambda$new$5
WARNING: Unable to find version of CDP to use for 120.0.6099.200. You may need to include a dependency on a specific version of the CDP using
Online Shopping site in India: Shop Online for Mobiles, Books, Watches, Shoes and More - Amazon.in
```

# Phase-1 End Project

Step 4: Create a page object model class AmazonMobilePage to store all web elements of that page and methods to execute during test



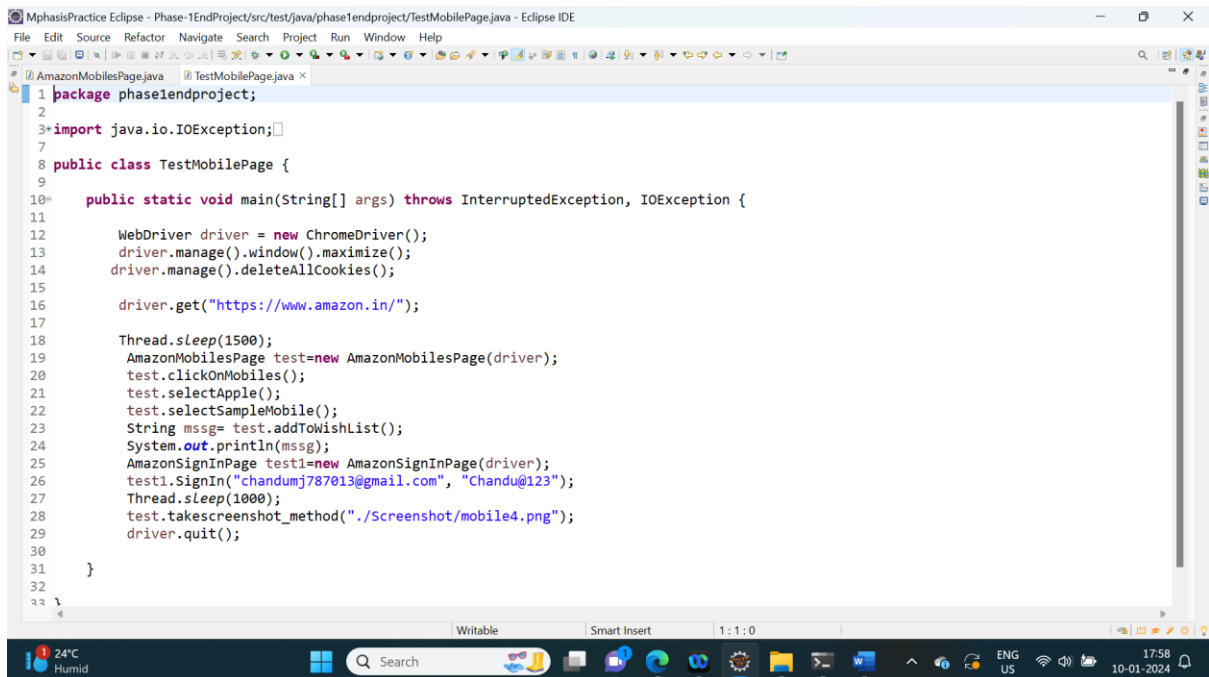
```
1 package phase1endproject;
2
3 import java.io.File;
4
5 public class AmazonMobilePage {
6     private WebDriver driver;
7     private By mobileslocator = By.LinkText("Mobiles");
8     private By navigatetomobiles=By.xpath("//div[@id='nav-progressive-subnav']/descendant::span[2]");
9     private By applelocator=By.LinkText("Apple");
10    private By sampleapplelocator=By.xpath("//*[@id='search']/div[1]/div[1]/div/span[1]/div[1]/div[2]/div/div/span/div/div/div[1]/span/");
11    private By addtowishlistlocator=By.xpath("//*[@id='wishListMainButton']/span/a");
12    public AmazonMobilePage(WebDriver driver) {
13        this.driver = driver;
14    }
15    public void takescreenshot_method(String filepath) throws IOException
16    {
17        File srcFile = ((TakesScreenshot)driver).getScreenshotAs(OutputType.FILE);
18        File destFile = new File(filepath);
19        FileUtils.copyFile(srcFile, destFile);
20    }
21
22    public void clickOnMobiles() {
23        driver.findElement(mobileslocator).click();
24    }
25    public void selectApple() throws InterruptedException, IOException {
26
27        Actions a = new Actions(driver);
28
29        a.moveToElement(driver.findElement(navigatetomobiles)).perform();
30    }
```



```
38        a.moveToElement(driver.findElement(navigatetomobiles)).perform();
39
40        Thread.sleep(2000);
41
42        takescreenshot_method("./Screenshot/mobile1.png");
43
44        driver.findElement(applelocator).click();
45    }
46    public void selectSampleMobile() throws IOException {
47        driver.findElement(sampleapplelocator).click();
48        takescreenshot_method("./Screenshot/mobile2.png");
49    }
50    public String addTowishlist() throws InterruptedException, IOException {
51        ArrayList<String> tabs = new ArrayList<String>(driver.getWindowHandles());
52        System.out.println(tabs);
53        driver.switchTo().window(tabs.get(1));
54
55        Thread.sleep(1500);
56        driver.findElement(addtowishlistlocator).click();
57
58        takescreenshot_method("./Screenshot/mobile3.png");
59
60        String title=driver.getTitle();
61        return title;
62    }
63 }
64 }
65 }
66 }
67 }
```

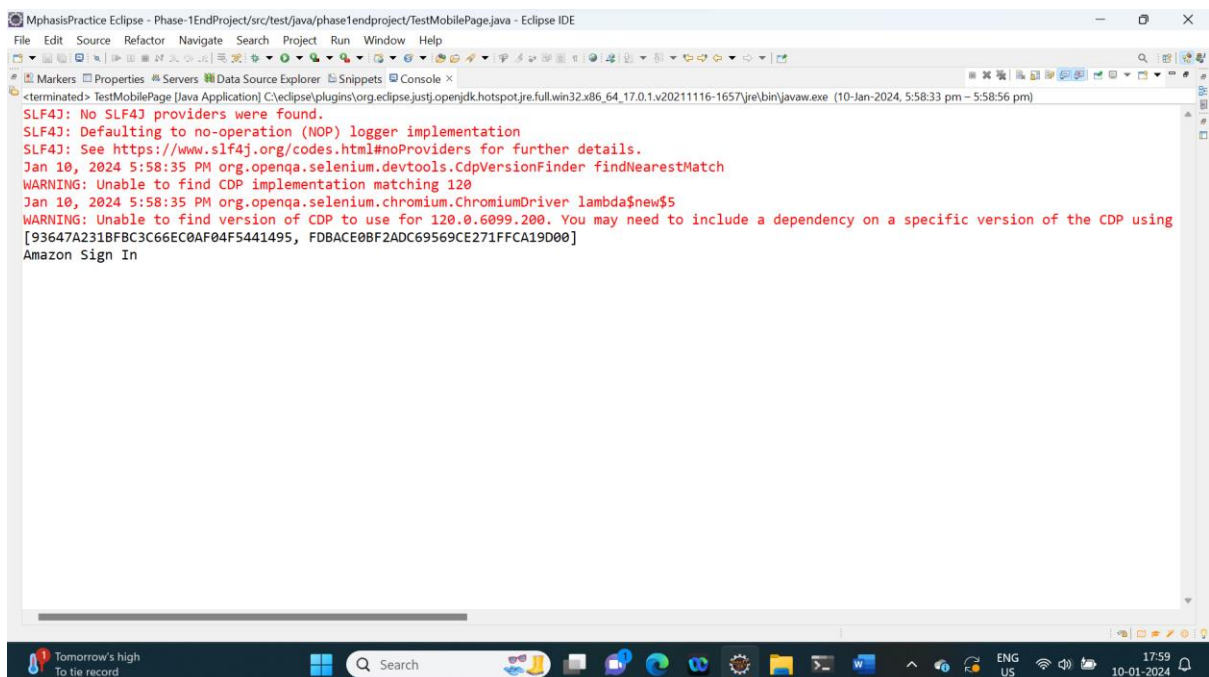
# Phase-1 End Project

Step 5: Create a class TestMobilePage to test the mobile and add the sample mobile to wishlist




















```
1 package phase1endproject;
2
3 import java.io.IOException;
4
5 public class TestMobilePage {
6
7     public static void main(String[] args) throws InterruptedException, IOException {
8
9         WebDriver driver = new ChromeDriver();
10        driver.manage().window().maximize();
11        driver.manage().deleteAllCookies();
12
13        driver.get("https://www.amazon.in/");
14
15        Thread.sleep(1500);
16        AmazonMobilesPage test=new AmazonMobilesPage(driver);
17        test.clickOnMobiles();
18        test.selectApple();
19        test.selectSampleMobile();
20        String mssg= test.addToWishList();
21        System.out.println(mssg);
22        AmazonSignInPage test1=new AmazonSignInPage(driver);
23        test1.signIn("chandumj787013@gmail.com", "Chandu@123");
24        Thread.sleep(1000);
25        test.takescreenshot_method("./Screenshot/mobile4.png");
26        driver.quit();
27    }
28 }
```

If run the test the sample mobile is added to wishlist and all steps are got captured using the screenshot script



```
<terminated> TestMobilePage [Java Application] C:\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.1\jre\bin\javaw.exe (10-Jan-2024, 5:58:33 pm - 5:58:56 pm)
SLF4J: No SLF4J providers were found.
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.
Jan 10, 2024 5:58:35 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find CDP implementation matching 120
Jan 10, 2024 5:58:35 PM org.openqa.selenium.chromium.ChromiumDriver lambda$new$5
WARNING: Unable to find version of CDP to use for 120.0.6099.200. You may need to include a dependency on a specific version of the CDP using
[93647A2318FBC3C66EC0AF04F5441495, FDBACE0BF2ADC69569CE271FFCA19D00]
Amazon Sign In
```

# Phase-1 End Project

- ▼  Phase-1EndProject
  - >  src/main/java
  - >  src/main/resources
  - ▼  src/test/java
    - ▼  phase1endproject
      - >  AmazonMobilesPage.java
      - >  AmazonSignInPage.java
      - >  TestMobilePage.java
      - >  TestSignInPage.java
  - >  src/test/resources
  - >  JRE System Library [J2SE-1.5]
  - >  Maven Dependencies
  - ▼  Screenshot
    -  mobile1.png
    -  mobile2.png
    -  mobile3.png
    -  mobile4.png

**GitHub Link:** [GitHub - chandumj/simplilearnprojects](https://github.com/chandumj/simplilearnprojects)