**Phase-1 Assessment Project**

**Algorithm:**

1. Open the browser
2. Maximize the browser window
3. Navigate to <https://www.amazon.in/>
4. Find and click on the ‘Mobiles’ link in the navigation bar
5. Move the mouse pointer over ‘Mobiles & Accessories’
6. Find and click on the ‘Apple’ link in the sub-menu
7. Find and click on the first available phone
8. Get the handle of the current tab
9. Switch to the new tab
10. Find and click on the ‘Buy Now’ button
11. Verify if the text ‘Sign in’ is displayed on the last page
12. If the text is displayed, output “User sees the text ‘Sign in’ on the last page”
13. If the text is not displayed, output “User does not see the text ‘Sign in’ on the last page”
14. Close the browser

**SourceCode:**

**package** demo;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**import** org.openqa.selenium.interactions.Actions;

**public** **class** Amazon {

**public** **static** **void** main(String[] args) {

// Create a new instance of ChromeDriver

ChromeDriver driver = **new** ChromeDriver();

// Maximize the browser window

driver.manage().window().maximize();

// Navigate to Amazon.in

driver.get("https://www.amazon.in/");

// Click on 'Mobiles' in the navigation bar

WebElement mobilesLink = driver.findElement(By.*linkText*("Mobiles"));

mobilesLink.click();

// Hover the pointer over 'Mobiles & Accessories'

WebElement mobilesAccessoriesMenu = driver.findElement(By.*id*("nav-subnav"));

Actions actions = **new** Actions(driver);

actions.moveToElement(mobilesAccessoriesMenu).build().perform();

// Click on 'Apple' in the sub-menu

WebElement appleLink = driver.findElement(By.*linkText*("Apple"));

appleLink.click();

// Click on the first available phone

driver.findElement(By.*linkText*("Apple iPhone 14 (128 GB) - Blue")).click();

// Switch focus to the new tab

String currentTab = driver.getWindowHandle();

**for** (String tab : driver.getWindowHandles()) {

**if** (!tab.equals(currentTab)) {

driver.switchTo().window(tab);

**break**;

}

}

// Click on 'Buy Now' button

WebElement buyNowButton = driver.findElement(By.*id*("buy-now-button"));

buyNowButton.click();

// Verify if the user sees the text 'Sign in' on the last page

//WebElement signInText = driver.findElement(By.xpath("//h1[contains(text(),'Sign-In')]"));

String ActualText = driver.findElement(By.*className*("a-spacing-small")).getText();

String ExpectedText = "Sign in";

**if** (ActualText.equals(ExpectedText)) {

System.***out***.println("User sees the text 'Sign in' on the last page.");

} **else** {

System.***out***.println("User does not see the text 'Sign in' on the last page.");

}

// Close the browser

driver.quit();

}

}

**Output:**

