

## SourceCode:-

### Pom.xml:-

```
<project xmlns="https://maven.apache.org/POM/4.0.0"
  xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="https://maven.apache.org/POM/4.0.0
https://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>ATE-Phase2-Selenium-TestNG</groupId>
  <artifactId>ATE-Phase2-Selenium-TestNG</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <dependencies>
    <!--
https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java -->
    <dependency>
      <groupId>org.seleniumhq.selenium</groupId>
      <artifactId>selenium-java</artifactId>
      <version>4.12.1</version>
    </dependency>
    <!--
https://mvnrepository.com/artifact/io.github.bonigarcia/webdrivermanager -->
    <dependency>
      <groupId>io.github.bonigarcia</groupId>
      <artifactId>webdrivermanager</artifactId>
      <version>5.4.1</version>
```

```

    </dependency>
    <!-- https://mvnrepository.com/artifact/org.testng/testng -->

    <dependency>
      <groupId>org.testng</groupId>
      <artifactId>testng</artifactId>
      <version>7.7.1</version>
      <scope>test</scope>
    </dependency>
    <!--
https://mvnrepository.com/artifact/com.aventstack/extentreports -->
    <dependency>
      <groupId>com.aventstack</groupId>
      <artifactId>extentreports</artifactId>
      <version>5.0.9</version>
    </dependency>
    <!--
https://mvnrepository.com/artifact/org.apache.poi/poi -->
    <dependency>
      <groupId>org.apache.poi</groupId>
      <artifactId>poi</artifactId>
      <version>4.1.1</version>
    </dependency>
    <!--
https://mvnrepository.com/artifact/org.apache.poi/poi-ooxml -->
    <dependency>
      <groupId>org.apache.poi</groupId>
      <artifactId>poi-ooxml</artifactId>
      <version>4.1.1</version>
    </dependency>
    <!--
https://mvnrepository.com/artifact/org.apache.poi/poi-ooxml-schemas
-->
    <dependency>
      <groupId>org.apache.poi</groupId>
      <artifactId>poi-ooxml-schemas</artifactId>
      <version>4.1.1</version>
    </dependency>
  </dependencies>
</project>

```

## AmezonTest:-

**package** Amazon;

```

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.Assert;
import org.testng.annotations.AfterTest; import
org.testng.annotations.BeforeTest; import
org.testng.annotations.Test;

```

```

public class AmazonTest {
    private WebDriver driver;

    @BeforeTest
    public void setup() {
        driver = new ChromeDriver(); driver.manage().window().maximize();

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

        WebElement sign = driver.findElement(By.id("nav-link-accountList"));
        sign.click();

        WebElement email = driver.findElement(By.id("ap_email"));
        email.sendKeys("6306006966");

        WebElement continuee = driver.findElement(By.id("continue"));
        continuee.click();

        WebElement password = driver.findElement(By.id("ap_password"));
        password.sendKeys("samrat@26");

        WebElement signIn = driver.findElement(By.id("signInSubmit"));
        signIn.click();

        WebElement accountListAfterLogin =
driver.findElement(By.id("nav-link-accountList"));
        boolean isUserSignedIn = accountListAfterLogin.getText().contains("Your Account");

        if (isUserSignedIn) { System.out.println("Successful Sign in");
        } else {
            System.out.println("Invalid entry");
        }

    }

    @Test

    public void searchProductAndCheckInventory() {
        // Locate the search input field and enter the product name
        WebElement searchBox =
driver.findElement(By.id("twotabsearchtextbox"));searchBox.sendKeys("Laptop");

        // Locate the search icon and click
    }
}

```

```

WebElement searchIcon = driver.findElement(By.id("nav-search-submit-
button"));
searchIcon.click();

// Wait for the search results page to load (You might need to enhance this wait strategy)
try {
    Thread.sleep(2000);
} catch (InterruptedException e) {
    e.printStackTrace();
}

// Assuming the first search result is the product page
WebElement firstSearchResult =
driver.findElement(By.cssSelector("div.s-main-slot div.s-asin:nth-child(1)"));
firstSearchResult.click();

// Wait for the product details page to load (You might need to enhance this wait strategy)
try {
    Thread.sleep(2000);
} catch (InterruptedException e) {
    e.printStackTrace();
}

// Simulate extracting the inventory information from the web page
WebElement inventoryElement = driver.findElement(By.id("availability"));
String inventoryText = inventoryElement.getText();
System.out.println("Inventory: " + inventoryText);

// Example: Assert that the inventory text contains the expected quantity
information
Assert.assertTrue(inventoryText.contains("In Stock"));

// You can add more assertions based on your application's actual behavior
}

@Test
@AfterTest
public void tearDown() {
    // Close the browser
    driver.quit();
}
}

```

## Amazon Web service Terminal command:-

```

sudo su -
# yum install git -y
# sudo amazon-linux-extras install java-openjdk11 -y

```

```
sudo wget -O /etc/yum.repos.d/jenkins.repo https://pkg.jenkins.io/redhat-  
stable/jenkins.repo  
sudo rpm --import https://pkg.jenkins.io/redhat-stable/jenkins.io-2023.key  
yum install jenkins -y systemctl  
start Jenkins
```

```
cat /var/lib/jenkins/secrets/initialAdminPassword
```