

Reg No:23MCA1030

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Software Testing

Ex3.

AIM: To check login functionality of website (<https://the-internet.herokuapp.com/login>).

Procedure:

Step 1: To check if java and maven is installed.

Step 2: Open Eclipse IDE.

Create a folder and open a maven project.

Step3: In this experiment we are going to test the website:

<https://the-internet.herokuapp.com/login>

so we will use group id as:

com.herokuapp.theinternet

Enter artifact as Selenium_webtest

Enter name as selenium experiment number.

Step4: open pom.xml replace http with https

Step 5: Install

1.compiler

<https://maven.apache.org/plugins/maven-compiler-plugin/examples/set-compiler-source-and-target.html>

Code:

```
<build>
  <plugins>
    <plugin>
      <groupId>org.apache.maven.plugins</groupId>
      <artifactId>maven-compiler-plugin</artifactId>
      <version>3.12.1</version>
      <configuration>
```

```
<source>21</source>
<target>21</target>
</configuration>
</plugin>
</plugins>
</build>
```

2.Surfire plugin

<https://maven.apache.org/surefire/maven-surefire-plugin/examples/testng.html>

copy code of Using Suite XML Files

```
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-surefire-plugin</artifactId>
  <version>3.2.5</version>
  <configuration>
    <suiteXmlFiles>
      <suiteXmlFile>testng.xml</suiteXmlFile>
    </suiteXmlFiles>
  </configuration>
</plugin>
```

3.Testing dependency

<https://mvnrepository.com/artifact/org.testng/testng/7.9.0>

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

```
<version>7.9.0</version>
<scope>test</scope>
</dependency>
```

4. Maven selenium dependency

<https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java/4.17.0>

```
<dependency>
  <groupId>org.seleniumhq.selenium</groupId>
  <artifactId>selenium-java</artifactId>
  <version>4.17.0</version>
</dependency>
```

Right click on src/test/java

Create new package

Name : com.herokuapp.theinternet

Now right click on same package com.herokuapp.theinternet and create new class.

Enter name : PositiveTest

The package and class will be created.

Create a method loginTest():

```
public void loginTest()
{
    WebDriver driver=new ChromeDriver();
}
```

When red line will show just press control + shift + alphabet o

Do same red line concept here:

```
WebElement username=driver.findElement(By.xpath(url))
```

5. Get chrome extension Ranorex Selocity:

<https://chromewebstore.google.com/detail/ranorex-selocity/ocgghcnnjekfpbmafindjmijdpopafoe>

Add to browser and restart browser.

6. open the website.

<https://the-internet.herokuapp.com/login>

In the page:

Right click on username and select action copy xpath and paste on url.

Do same for password.

Add loginbtn and do same with xpath and send on login btn click.

Copy username and password and paste it.

7. Now add @Test before this code

```
public class PositiveTest {  
    public void loginTest()  
    {  
        WebDriver driver=new ChromeDriver();  
        String url="https://the-internet.herokuapp.com/login";  
        driver.get(url);  
        driver.manage().window().maximize();  
        WebElement  
username=driver.findElement(By.xpath("/html//input[@id='username']"));  
        username.sendKeys("tomsmith");  
        WebElement  
password=driver.findElement(By.xpath("/html//input[@id='password']"));  
        password.sendKeys("SuperSecretPassword!");  
    }  
}
```

WebElement

```
loginbtn=driver.findElement(By.xpath("//form[@id='login']/i[@class='fa fa-2x fa-sign-in']"));

loginbtn.click();

driver.close();

}

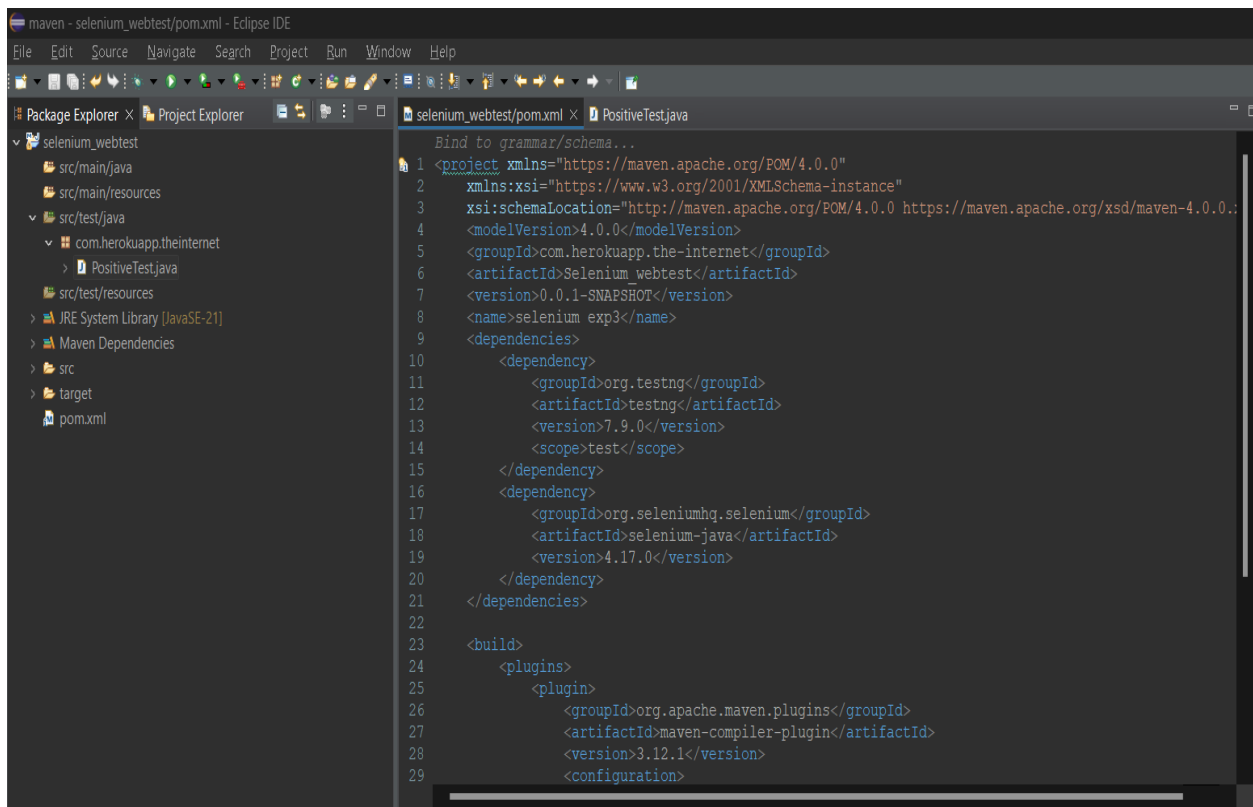
}
```

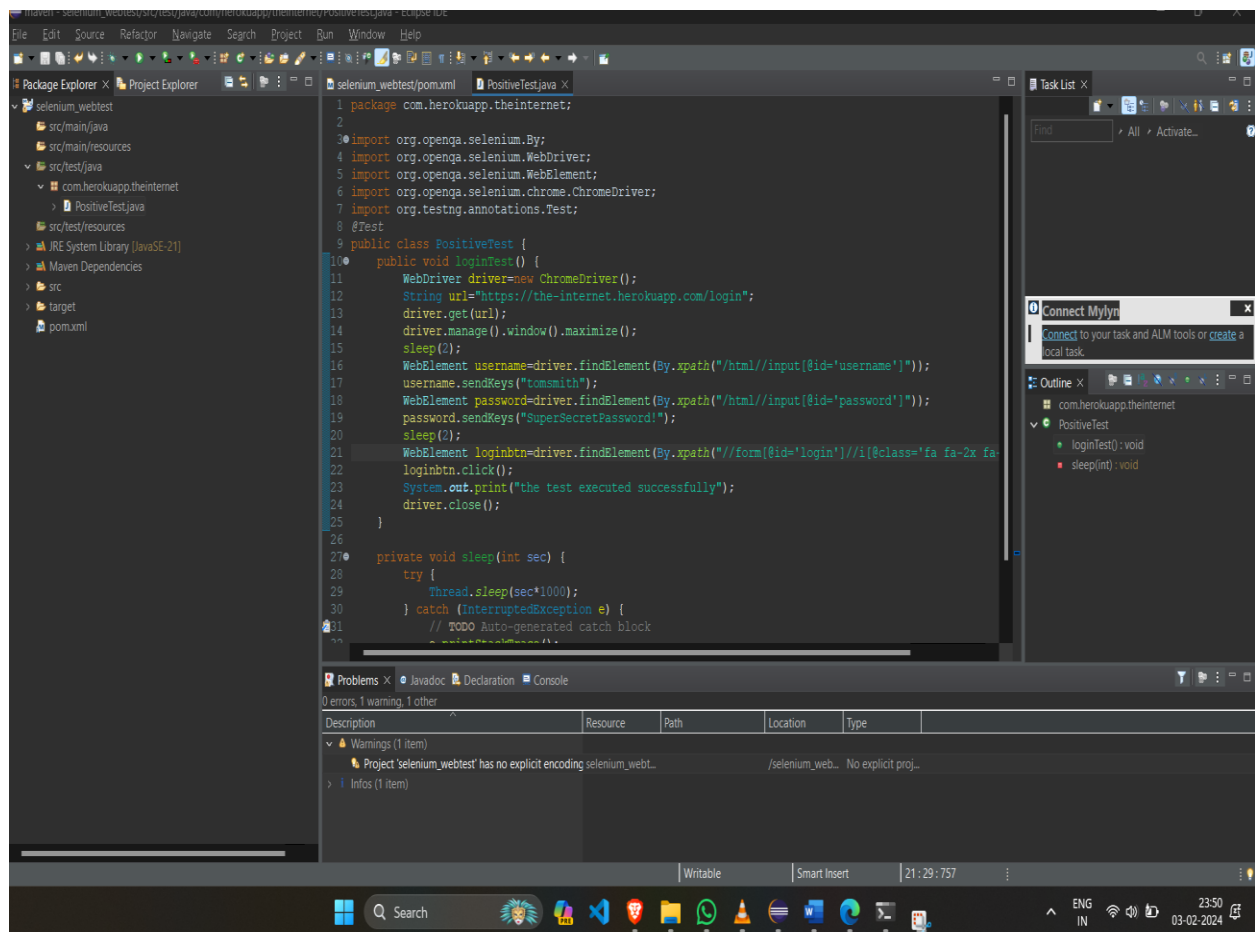
After adding test there will be red line.
just go to test and wait and then click on import test.

8. Now open cmd again and go to folder file path where it is saved.

Go to eclipse workspace and folder which you might created.

Code:





```
Command Prompt
C:\Users\kingv\workspace\maven\selenium_webtest>mvn clean test
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.herokuapp.the-internet:Selenium_webtest >-----
[INFO] Building selenium exp3 0.0.1-SNAPSHOT
[INFO] from pom.xml
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- clean:3.2.0:clean (default-clean) @ Selenium_webtest ---
[INFO] Deleting C:\Users\kingv\workspace\maven\selenium_webtest\target
[INFO]
[INFO] --- resources:3.3.1:resources (default-resources) @ Selenium_webtest ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource from src/main/resources to target/classes
[INFO]
[INFO] --- compiler:3.12.1:compile (default-compile) @ Selenium_webtest ---
[INFO] Nothing to compile - all classes are up to date.
[INFO]
[INFO] --- resources:3.3.1:testResources (default-testResources) @ Selenium_webtest ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource from src/test/resources to target/test-classes
[INFO]
[INFO] --- compiler:3.12.1:testCompile (default-testCompile) @ Selenium_webtest ---
[INFO] Recompiling the module because of changed source code.
[WARNING] File encoding has not been set, using platform encoding UTF-8, i.e. build is platform dependent!
[INFO] Compiling 1 source file with javac [debug target 21] to target\test-classes
[INFO]
[INFO] --- surefire:3.2.5:test (default-test) @ Selenium_webtest ---
[INFO] Using auto detected provider org.apache.maven.surefire.testng.TestNGProvider
[INFO]
[INFO] -----
[INFO] T E S T S
[INFO] -----
[INFO] Running com.herokuapp.theinternet.PositiveTest
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.
the test executed successfullyFeb 03, 2024 11:46:46 PM org.openqa.selenium.remote.http.WebSocket$Listener onError
WARNING: Connection reset
java.net.SocketException: Connection reset

[INFO] Running com.herokuapp.theinternet.PositiveTest
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
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the test executed successfullyFeb 03, 2024 11:46:46 PM org.openqa.selenium.remote.http.WebSocket$Listener onError
WARNING: Connection reset
java.net.SocketException: Connection reset
    at java.base/sun.nio.ch.SocketChannelImpl.throwConnectionReset(SocketChannelImpl.java:481)
    at java.base/sun.nio.ch.SocketChannelImpl.read(SocketChannelImpl.java:434)
    at java.net.http/jdk.internal.net.http.SocketTube.readAvailable(SocketTube.java:1178)
    at java.net.http/jdk.internal.net.http.SocketTube$InternalReadPublisher$InternalReadSubscription.read(SocketTube.java:841)
    at java.net.http/jdk.internal.net.http.SocketTube$SocketFlowTask.run(SocketTube.java:181)
    at java.net.http/jdk.internal.net.http.common.SequentialScheduler$SchedulableTask.run(SequentialScheduler.java:207)
    at java.net.http/jdk.internal.net.http.common.SequentialScheduler.runOrSchedule(SequentialScheduler.java:280)
    at java.net.http/jdk.internal.net.http.common.SequentialScheduler.runOrSchedule(SequentialScheduler.java:233)
    at java.net.http/jdk.internal.net.http.SocketTube$InternalReadPublisher$InternalReadSubscription.signalReadable(SocketTube.java:782)
    at java.net.http/jdk.internal.net.http.SocketTube$InternalReadPublisher$ReadEvent.signalEvent(SocketTube.java:965)
    at java.net.http/jdk.internal.net.http.SocketTube$SocketFlowEvent.handle(SocketTube.java:253)
    at java.net.http/jdk.internal.net.http.HttpClientImpl$SelectorManager.handleEvent(HttpClientImpl.java:1467)
    at java.net.http/jdk.internal.net.http.HttpClientImpl$SelectorManager.lambda$run$3(HttpClientImpl.java:1412)
    at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
    at java.net.http/jdk.internal.net.http.HttpClientImpl$SelectorManager.run(HttpClientImpl.java:1412)

[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 33.09 s -- in com.herokuapp.theinternet.PositiveTest
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 36.381 s
[INFO] Finished at: 2024-02-03T23:46:47+05:30
[INFO]
C:\Users\kingv\workspace\maven\selenium_webtest>
```