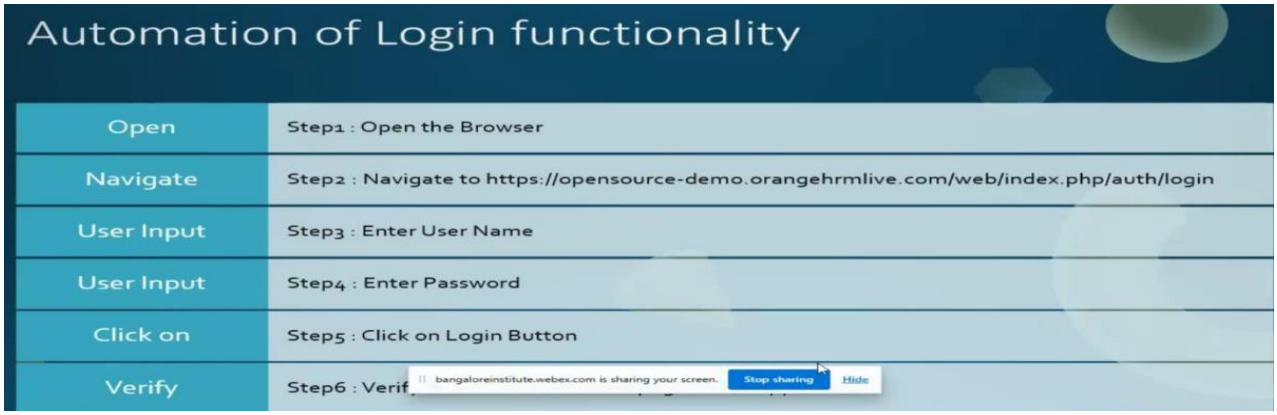
Program 7:

Designing Test Cases: Test case design and Conversion of Mapping and Templates using selenium tool and Manual test cases mapping with Selenium test cases

```
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
public class aaa
{
	public static void main(String[] args)
	{
	WebDriver driver = new ChromeDriver();
	driver.get("https://www.saucedemo.com/");
	driver.findElement(By.id("user-name")).click(); //just for the click function
	driver.manage().window().maximize();
	driver.findElement(By.id("user- name")).sendKeys("standard_user");
	driver.findElement(By.id("password")).sendKeys("secret_sau ce1");
	driver.findElement(By.className("submit-button")).click();
	boolean flag = driver.findElement(By.xpath("//button[text()=\"Open Menu\"]")).isDisplayed();
	if (flag == true)
	{
		System.out.println("Successfully logged in! hurray ");
	}
	/*driver.close(); // terminate test window only
	driver.quit(); //to Terminate all windows and test window */
	}
```



Test case Name	Pre cor	Test steps
https://www.saucedemo.com/ website is launched and log		Open browser
		Navigate to https://www.saucedemo.com/
		Enter correct user name and password
		Click on Login button
		Close the browser

Expected result	Actual result	Test data	Status
Browser should open			
User should be able to navigate		Username:	
User should be able to enter user name and password		standard_user	
User should be logged in successfully		Password:	
Browser should be closed		secret_sauce	Design

Program 8:

Using Selenium IDE, Develop a test suite containing minimum 4 test cases.

Test Suite: It is a collection of multiple test cases grouped together for execution. It allows testers to run multiple tests sequentially or in parallel to validate different functionalities of a web application.

How to Do:

Step 1: Install Selenium IDE

1. Open **Google Chrome**.

2. Go to the **Chrome Web Store** and search for **Selenium IDE**.

3. Click **"Add to Chrome"** and install the extension.

Step 2: Create a New Project

1. Open **Selenium IDE** from your Chrome extensions.

2. Click **"Create a New Project"** and give it a suitable name.

Step 3: Record a Test Case

1. Click on the **red record button** (top right corner).

2. A new Chrome tab will open –browse normally and perform actions.

3. Close the tab when done; Selenium IDE will automatically save the recorded steps.

Step 4: Create Four Test Cases

Perform any four different actions while recording, such as:

Login –Enter credentials and sign in.

Search –Use a search bar to find an item.

Add to Cart –Select a product and add it to the cart.

Logout –Sign out of the application

Step 5: Run the Test Suite

1. Click **"Run All"** in Selenium IDE to execute all test cases sequentially.

2. Verify that each step passes without errors.

Now we setup testing:

For simple setup follow these:

1.Navigate to https://mvnrepository.com/artifact/org.testng/testng/7.11.0

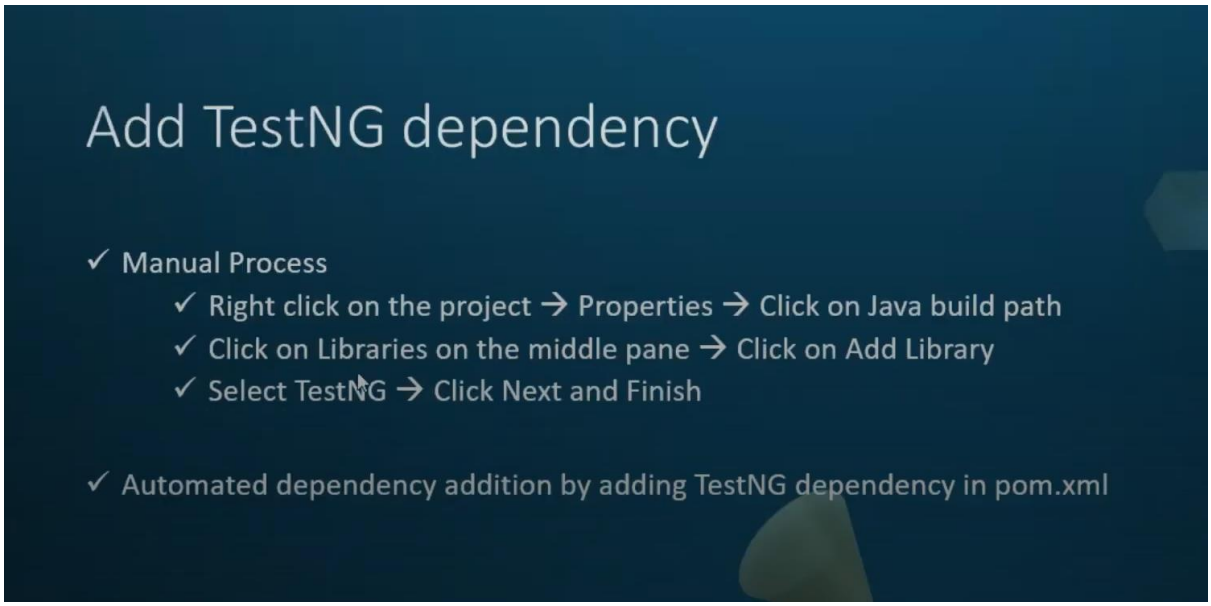
2.Copy the maven dependency

3.In eclipse, copy this under dependencies tag after selenium dependency inside pom.xml

4.Right click on the project --> Maven --> Update project --> Save

Same as how we did for adding selenium.

Below is the hard way (Manual way)



Just a Side note: Always create a java class for each test case.
TEST CASE –Example

```
package seleniumDay3;
import org.testing.annotations.Test;
public class testNGFramework {
@Test(priority=1)
void openBrowser(){
System.out.println("Open browser");
}
@Test(priority=2)
void login(){
System.out.println("Login");
}
@Test(priority=3)
void close(){
```

```
System.out.println("Close browser");
}
}
```