

**Software Engineering Tools Lab**  
**Assignment No-9**  
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**PRN: 2020BTECS00090**  
**Batch-T8**

Installation process and the creation of test cases using Selenium.

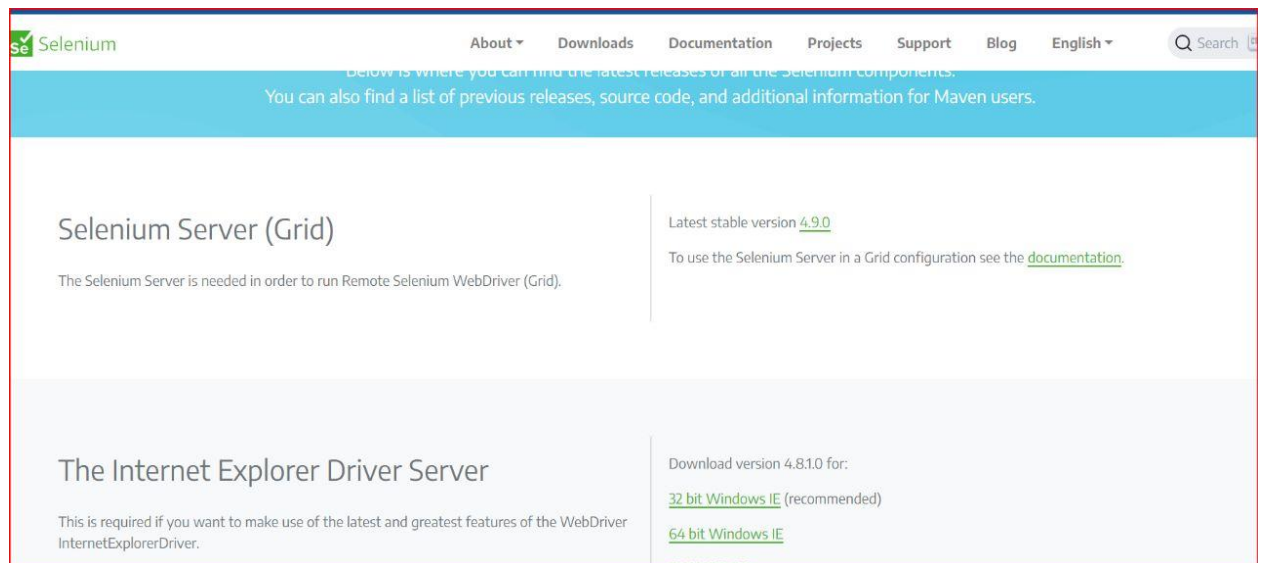
1. Prerequisites for installing Selenium:

- Java Development Kit (JDK)
- Selenium WebDriver Java bindings
- A web driver for the browser you want to automate
- An Integrated Development Environment (IDE) such as Eclipse or IntelliJ IDEA
- 







Installation of Selenium:

2. To install Selenium on your machine, follow these steps:




- Install Java Development Kit (JDK) if not already installed. You can download it from Oracle's website.
- Download the latest version of Selenium WebDriver Java bindings from the official Selenium website.



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Name	Last modified	Size	ETag
 <a href="#">Parent Directory</a>		-	
 <a href="#">chromedriver_linux64.zip</a>	2023-04-05 10:27:32	6.75MB	9f887638c5e8bc5313d027a802b092cc
 <a href="#">chromedriver_mac64.zip</a>	2023-04-05 10:27:35	8.79MB	a9f0c8afeaecc961d3bdf087f33f71c9
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 chromedriver.exe	26-04-2023 12:42	Application	12,465 KB
 LICENSE.chromedriver	26-04-2023 12:42	CHROMEDRIVER F...	242 KB
 selenium-server-4.9.0.jar	26-04-2023 12:41	Executable Jar File	30,526 KB


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**Eclipse IDE for Java Developers**[details](#)  
The essential tools for any Java developer, including a Java IDE, a Git client, XML Editor, Maven and Gradle integration.

Java 17+ VM


C:\Program Files\Java\jdk-17.0.2


Installation Folder

C:\Users\Lenovo\eclipse\java-2023-03

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 INSTALLING

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## Eclipse IDE for Java Developers

[details](#)

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INSTALLING

✕ Cancel Installation

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## Eclipse IDE for Java Developers

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## Eclipse IDE for Enterprise Java and Web Developers

Tools for developers working with Java and Web applications, including a Java IDE, tools for JavaScript, TypeScript, JavaServer...



## Eclipse IDE for C/C++ Developers

An IDE for C/C++ developers.



## Eclipse IDE for Embedded C/C++ Developers

An IDE for Embedded C/C++ developers. It includes managed cross build plug-ins (Arm and RISC-V) and debug plug-ins...



## Eclipse IDE for PHP Developers

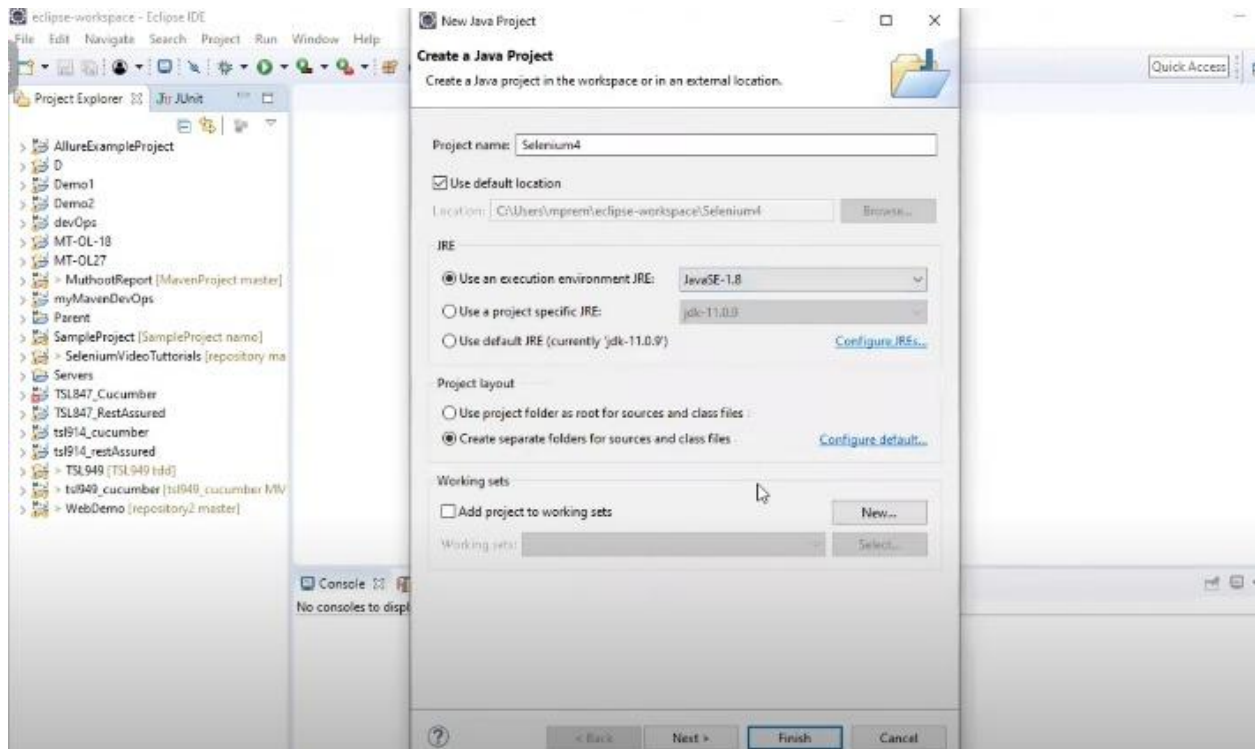
The essential tools for any PHP developer, including PHP language

- Extract the downloaded zip file to a desired location on your machine.
- Open your IDE and create a new Java project.
- Right-click on the project and select "Properties."
- Select "Java Build Path" and click on "Add External JARs."
- Navigate to the location where you extracted the Selenium WebDriver Java bindings and select all the JAR files.
- Click "Apply" and "OK" to save the changes.

Creation of Test Cases:

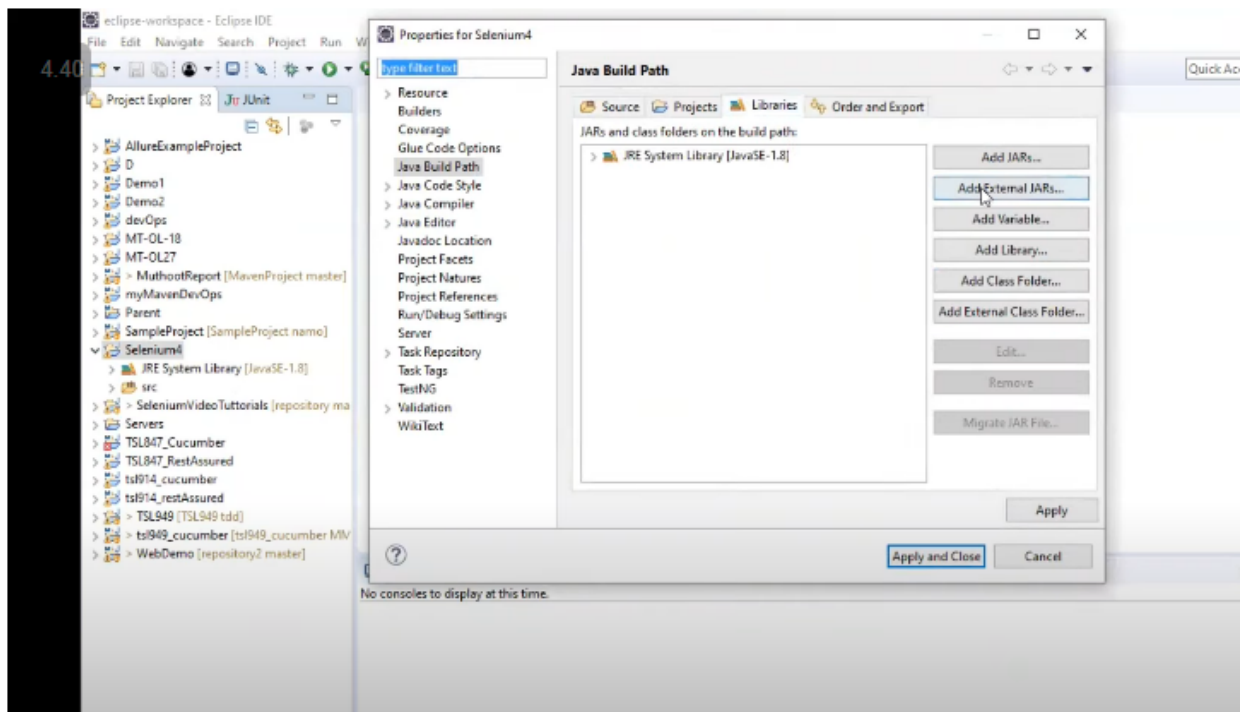
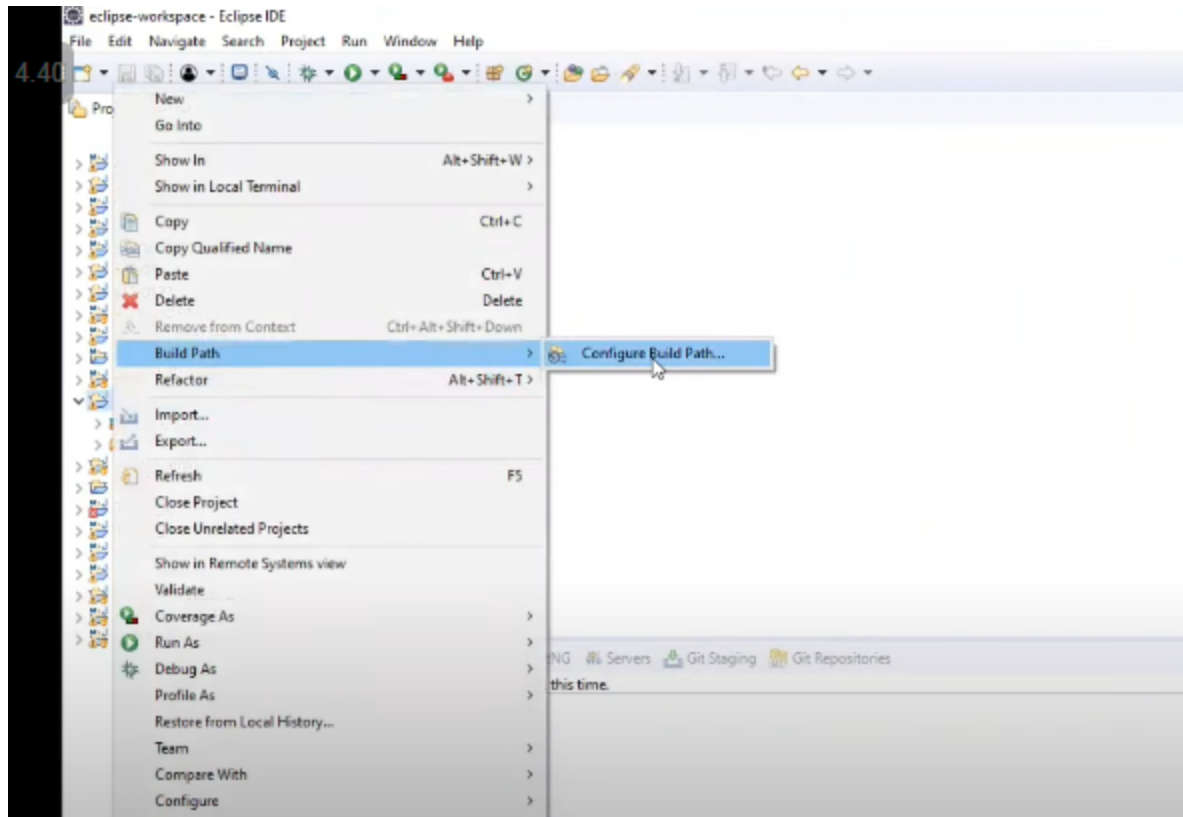
To create test cases using Selenium, follow these steps:

a. Create a new test project in your IDE and name it SETProject.

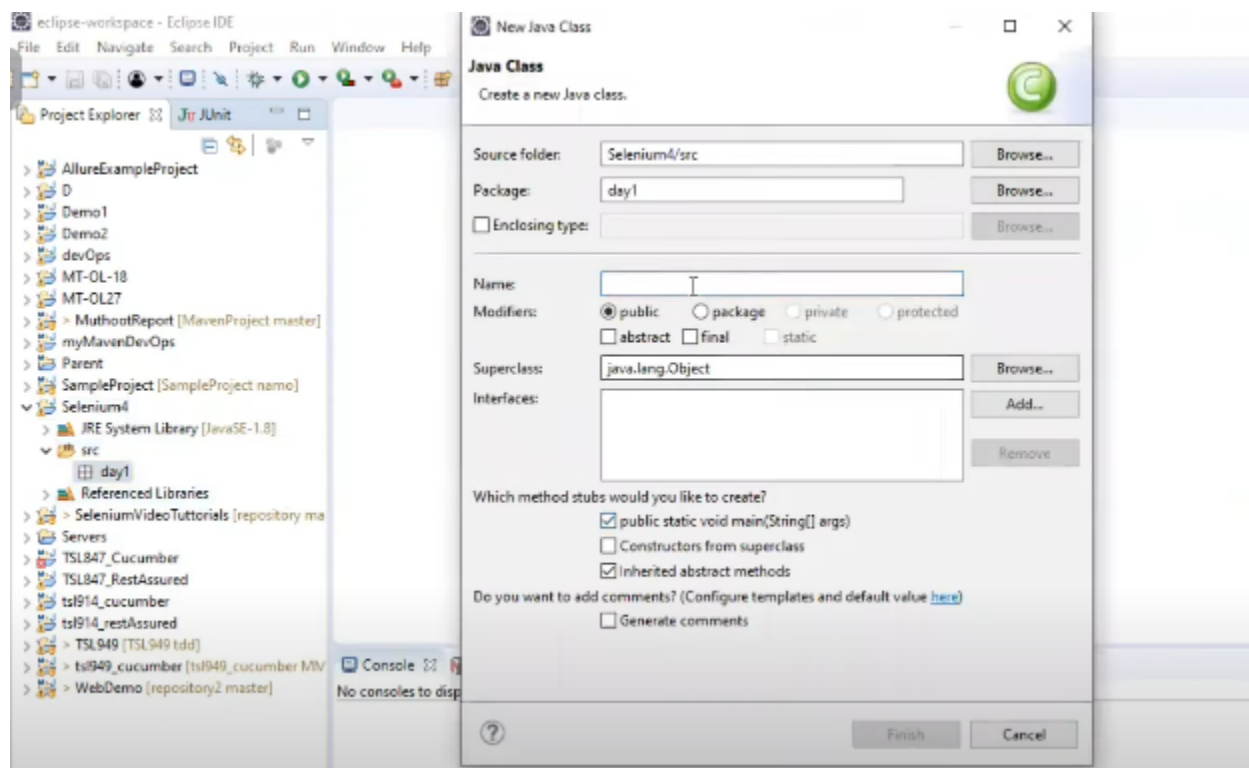
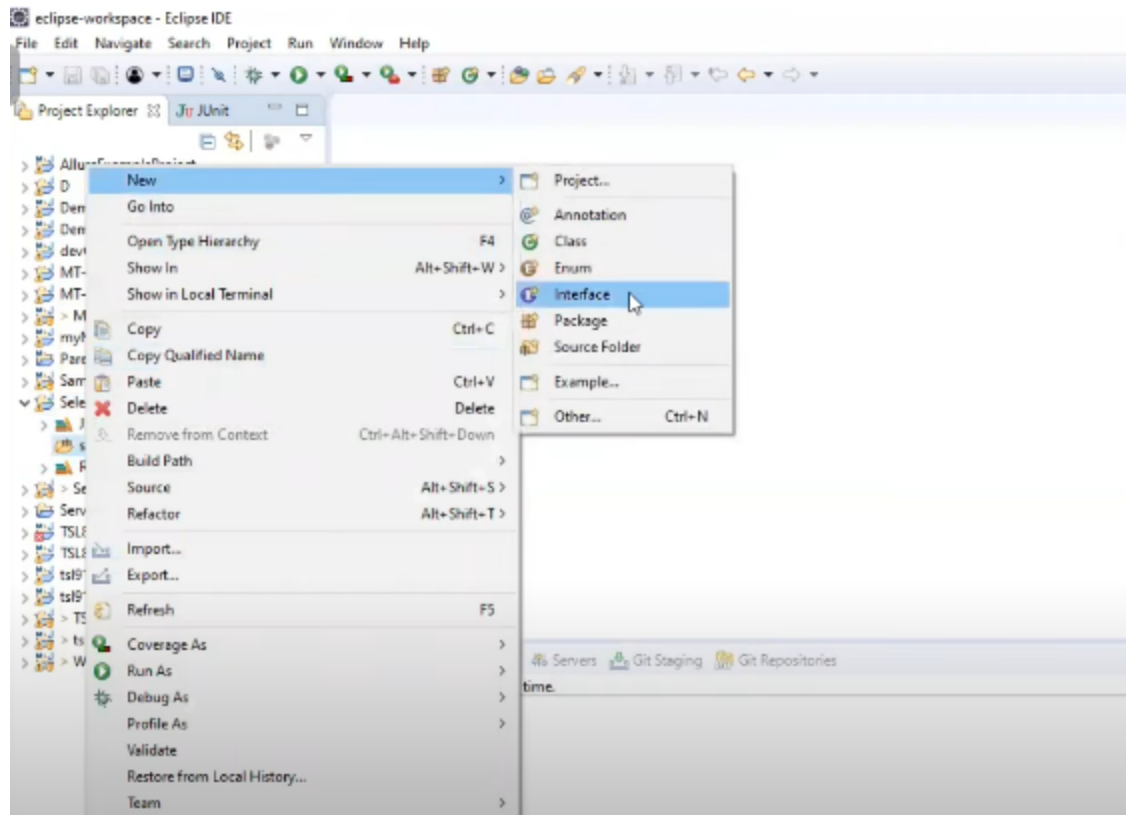


b. Create a new test plan in your IDE and name it SETProjectTestPlan.

c. Create a new build in your IDE and name it SETProjectBuild.

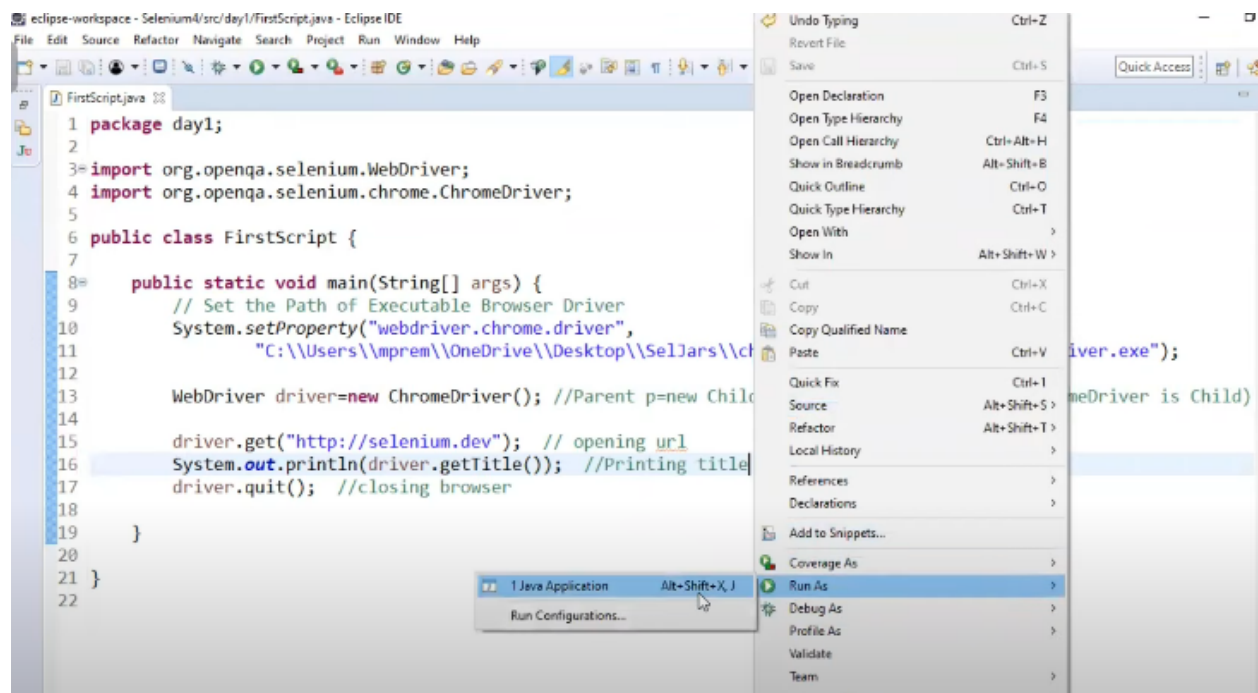






- d. Create a new test suite in your IDE and name it Test Suite 1 under SETProject.
3. e. Create test cases using the Selenium tool. You can create at least 10 test cases to cover different scenarios and functionality of your application/project.





Here is a sample code to help you get started with creating a test case using Selenium WebDriver: