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# DevOps Project

## Git Collaboration Theory – Overview

Git is a distributed version control system (DVCS) that allows multiple developers to collaborate efficiently on a project, whether working on the same files or different parts of the codebase. Here's a breakdown of the core theory behind Git collaboration:

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### 1. Distributed System

- Every developer has a full copy of the repository including the history.
  - Work can continue offline, and changes are merged later.
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### 2. Branches

- A branch is a pointer to a snapshot of changes.
  - The main (or master) branch is usually the stable production version.
  - Developers create feature branches to work on new functionality independently.
  - Enables parallel development without conflicts.
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### 3. Commits and History

- A commit is a snapshot of changes along with a message.
  - Commits form a linear or branching history, enabling tracking and rollback.
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### 4. Common Commands for Collaboration

Action	Git Command	Description
Clone repo	git clone <url>	Copy a remote repo locally
Create branch	git checkout -b feature-x	Start new feature work
Stage changes	git add . or git add <file>	Prepare files for commit
Commit changes	git commit -m "message"	Save snapshot
Push changes	git push origin branch-name	Send changes to remote
Pull updates	git pull	Fetch + merge remote changes
Merge branch	git merge feature-x	Combine branches

Action	Git Command	Description
Resolve conflicts	Manual + git add + git commit	When Git can't auto-merge

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## ↳ 5. Collaboration Workflow

### ◆ Centralized Workflow (Small teams)

- Everyone works on the main branch.
- Pull before push to avoid overwriting.

### ◆ Feature Branch Workflow (Common)

- Create a new branch per feature or bug.
- Submit Pull Requests (PR) or Merge Requests (MR).
- Peer reviews, test, then merge into main.

### ◆ Fork & Pull Workflow (Open Source)

- Fork the original repo → clone → make changes.
  - Push to your fork, then create a PR to the main project.
- 

## ☛ 6. Conflict Resolution

- When multiple people edit the same lines, Git can't auto-merge.
  - Developer must resolve conflicts manually, then commit the result.
- 

## ☛ 7. Access Control

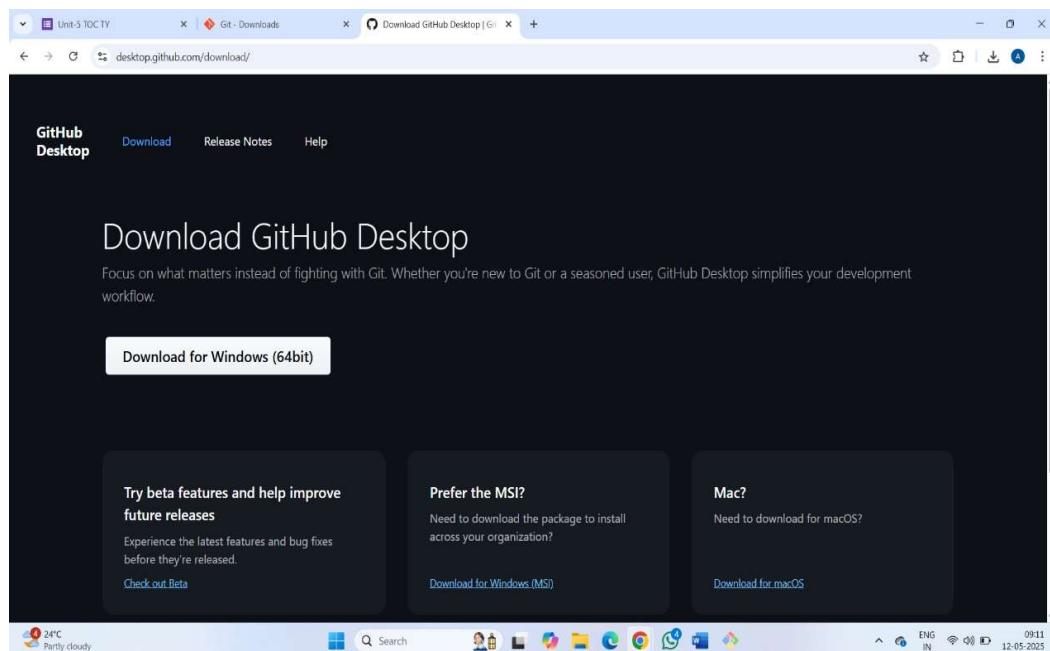
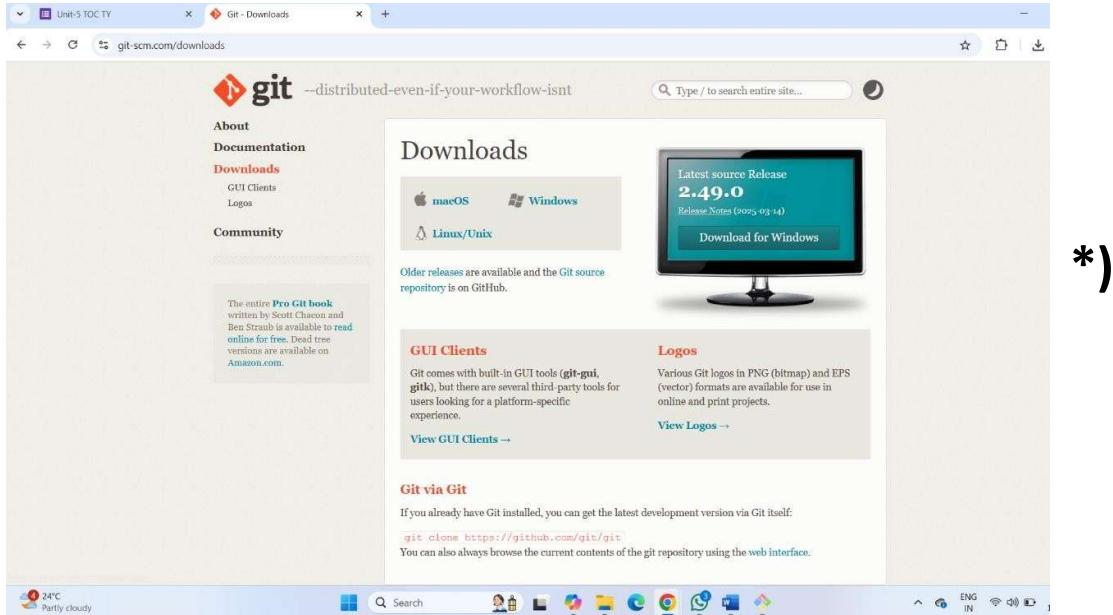
- Permissions on repositories (read/write/admin).
  - Roles: Owner, Maintainer, Contributor, etc.
- 

## ➤ 8. CI/CD Integration

- Git is often integrated with tools like GitHub Actions, GitLab CI, Jenkins, etc.
- Ensures code is tested and deployed automatically after merging.

# TASK- 1

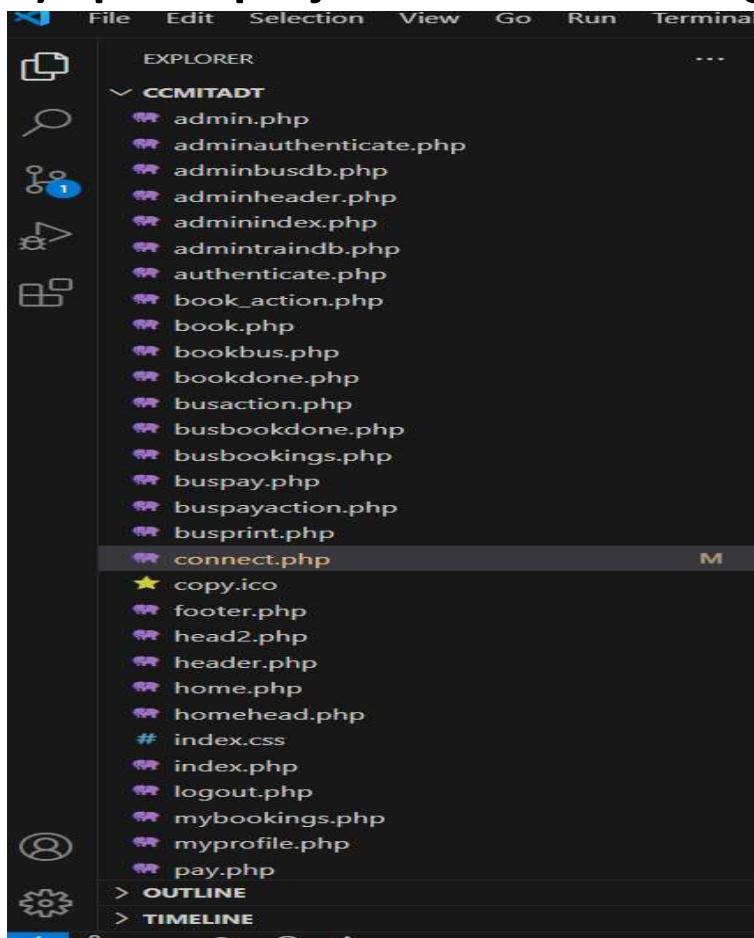
## \* ) Download git and git desktop



## Open gitbash and set globally variable

```
user.email=your-email@example.com
PS C:\xampp\htdocs\ccmitadt> ^C
PS C:\xampp\htdocs\ccmitadt> git config --global user.name "Aakash Sanjay Tambe"
PS C:\xampp\htdocs\ccmitadt> git config --global user.email "aakashtmit@gmail.com"
PS C:\xampp\htdocs\ccmitadt> git config --global --list
user.name=Aakash Sanjay Tambe
user.email=aakashtmit@gmail.com
PS C:\xampp\htdocs\ccmitadt> █
```

## \*) upload project on GitHub using git commands



```
*)PS C:\xampp\htdocs\ccmitadt> git init
Reinitialized existing Git repository in C:/xampp/htdocs/ccmitadt/.git/
PS C:\xampp\htdocs\ccmitadt> git remote -v
origin https://github.com/aakashtmit/projectdevops.git (fetch)
origin https://github.com/aakashtmit/projectdevops.git (push)
PS C:\xampp\htdocs\ccmitadt> git remote set-url origin
https://github.com/aakashtmit/projectdevops.git
PS C:\xampp\htdocs\ccmitadt> git remote remove origin
PS C:\xampp\htdocs\ccmitadt> git remote add origin
https://github.com/aakashtmit/projectdevops.git
PS C:\xampp\htdocs\ccmitadt> git push -u origin main
info: please complete authentication in your browser...
Enumerating objects: 58, done.
Counting objects: 100% (58/58), done.
Delta compression using up to 8 threads
Compressing objects: 100% (47/47), done.
Writing objects: 100% (58/58), 49.53 KiB | 9.91 MiB/s, done.
Total 58 (delta 10), reused 54 (delta 9), pack-reused 0 (from 0)
```

```
remote: Resolving deltas: 100% (10/10), done.  
To https://github.com/aakashtmit/projectdevops.git  
 * [new branch] main -> main  
branch 'main' set up to track 'origin/main'.  
PS C:\xampp\htdocs\ccmitadt>
```

The screenshot shows a Windows desktop environment with the Visual Studio Code application open. The title bar of the window reads "ccmitadt". The left sidebar displays a file tree for a directory named "COMITADT" containing various PHP files like "admin.php", "connect.php", and "header.php". The main area is a terminal window showing a command-line session:

```
PS C:\xampp\htdocs\ccmitadt> git init  
Reinitialized existing git repository in c:/xampp/htdocs/ccmitadt/.git/  
PS C:\xampp\htdocs\ccmitadt> git remote -v  
origin https://github.com/aakashtmit/projectdevops.git (fetch)  
origin https://github.com/aakashtmit/projectdevops.git (push)  
PS C:\xampp\htdocs\ccmitadt> git remote set-url origin https://github.com/aakashtmit/projectdevops.git  
PS C:\xampp\htdocs\ccmitadt> git remote remove origin  
PS C:\xampp\htdocs\ccmitadt> git remote add origin https://github.com/aakashtmit/projectdevops.git  
PS C:\xampp\htdocs\ccmitadt> git push -u origin main  
info: please complete authentication in your browser...  
Enumerating objects: 58, done.  
Counting objects: 100% (58/58), done.  
Delta compression using up to 8 threads
```

The status bar at the bottom of the screen shows the date and time as "12-05-2025", the weather as "26°C Mostly cloudy", and system icons for battery, signal, and network.

\*) project success fully uploaded

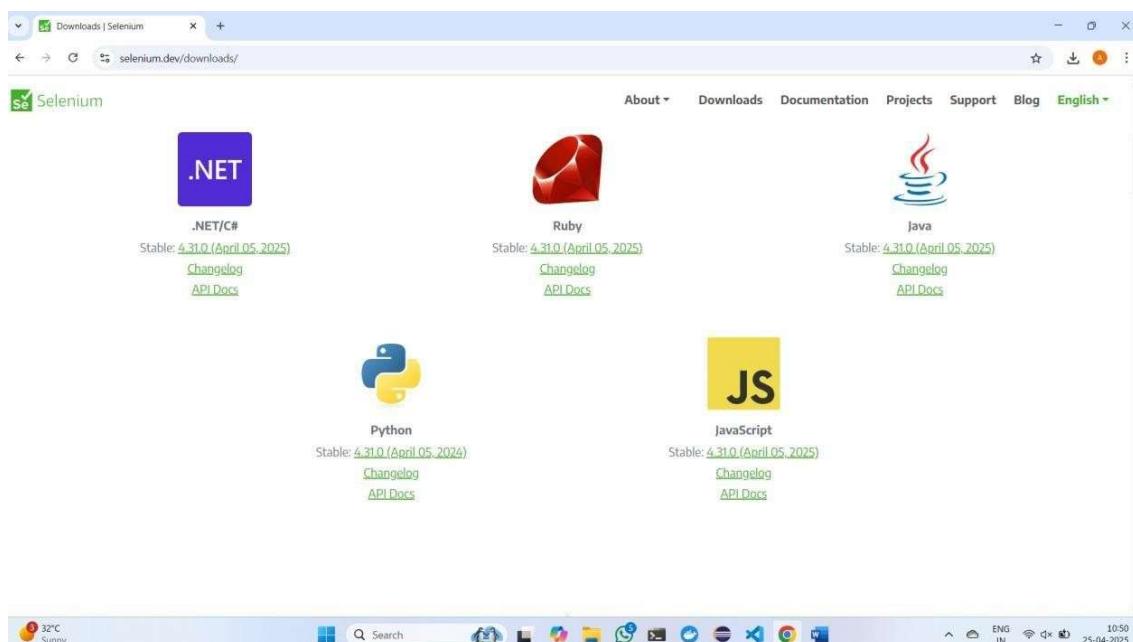
## TASK 2 - TEST IN JAVA WITH NG

TA2

QUESTION 3 –

STEP 1 –

INSTALLATION OF SELENIUM JAR FILE FROM OFFICIAL WEBSITE



STEP 2- DOWNLOAD MAVEN REPO

**MVN REPOSITORY**

Indexed Artifacts (56.0M)

Popular Categories

TestNG

TestNG is a testing framework inspired from JUnit and NUnit but introducing some new functionalities that make it more powerful and easier to use. It supports test configured by annotations, data-driven testing, parametric tests, etc.

License: Apache 2.0

Categories: Testing Frameworks & Tools

Tags: testing, testng, quality

HomePage: <https://testng.org>

Ranking: #52 in [MvnRepository](#) (See Top Artifacts)

Used By: 12,132 artifacts

Version	Vulnerabilities	Repository	Usages	Date
7.11.x	7.11.0	Central	158	Feb 13, 2025
7.10.x	7.10.2	Central	578	Apr 28, 2024
7.10.x	7.10.1	Central	226	Apr 09, 2024
7.10.x	7.10.0	Central	1	Apr 07, 2024
7.9.x	7.9.0	Central	263	Dec 26, 2023
7.8.x	7.8.0	Central	410	May 19, 2023
	7.7.1	Central	521	Dec 29, 2022

### STEP 3 -OPEN ECLIPSE AND INSTALL TEST NG FROM SOFTWARE

testng-eclipse-update-site

**TestNG Eclipse Plugin Update Site**

Main update site URL: <https://testng.org/testng-eclipse-update-site>

Versioned update site URL:

- <https://testng.org/testng-eclipse-update-site/7.11.0>
- <https://testng.org/testng-eclipse-update-site/7.10.2>
- <https://testng.org/testng-eclipse-update-site/7.10.0>
- <https://testng.org/testng-eclipse-update-site/7.9.0>
- <https://testng.org/testng-eclipse-update-site/7.8.0>
- <https://testng.org/testng-eclipse-update-site/7.4.0>
- <https://testng.org/testng-eclipse-update-site/7.3.0>
- <https://testng.org/testng-eclipse-update-site/7.2.0>
- <https://testng.org/testng-eclipse-update-site/7.1.0>
- <https://testng.org/testng-eclipse-update-site/7.0.0>
- <https://testng.org/testng-eclipse-update-site/6.14.3>
- <https://testng.org/testng-eclipse-update-site/6.13.0>
- <https://testng.org/testng-eclipse-update-site/6.12.0>
- <https://testng.org/testng-eclipse-update-site/6.11.0>
- <https://testng.org/testng-eclipse-update-site/6.10.0>
- <https://testng.org/testng-eclipse-update-site/6.9.13>
- <https://testng.org/testng-eclipse-update-site/6.9.12>

Step 4 –

```

eclipse-workspace - TAMITU2B1T0002/src/DevOps/testlogin.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Ctrl+F11 F11
Ctrl+Shift+F11
Run Coverage
Ctrl+Shift+N
Run History Run Configurations...
Ctrl+Shift+F11
Debug History Debug Configurations...
Ctrl+Shift+N
Coverage History Coverage As
Ctrl+Shift+N
Coverage Configurations...
Ctrl+Shift+N
Toggle Breakpoint
Toggle Lambda Entry Breakpoint
Ctrl+Shift+B
Toggle Tracepoint
Toggle Line Breakpoint
Toggle Watchpoint
Toggle Method Breakpoint
Ctrl+Shift+B
Skip All Breakpoints
Remove All Breakpoints
Add Java Exception Breakpoint...
Add Class Load Breakpoint...
Ctrl+Shift+N
All References...
Ctrl+Shift+I
All Instances...
Ctrl+Shift+N
Instance Count...
Ctrl+Shift+N
Watch
Ctrl+Shift+W
Inspect
Ctrl+Shift+I
Display
Ctrl+Shift+D
Execute Ctrl+U
Force Return
Alt+Shift+F
External Tools
Ctrl+Shift+E
m File\Java\jdk-17\bin\javaw.exe (25 Apr 2025, 10:24:19am - 10:24:23am elapsed: 0:00:04.769) [pid: 12076]
3-ec11p8e-34/88995 (testing-customsuite.xml)
sting.Logger.info
sting.LoggerFactory
sting.Graph took 6 ms.
ium.devtools.CdpVersionFinder findNearestMatch
  matching 135
Apr 25, 2025 10:24:21 AM org.openqa.selenium.chromium.ChromiumDriver Lambda$new$4
WARNING: Unable to find version of CDP to use for 135.0.7049.115. You may need to include a dependency on a specific version of the CDP using something like

```

DevOps.testlogin - TAMITU2B1T0002/src

32°C Sunny

Search

EN IN 10:53

We successfully install test ng

```

eclipse-workspace - TAMITU2B1T0002/src/DevOps/testlogin.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Ctrl+F11 F11
Ctrl+Shift+F11
Run Coverage
Ctrl+Shift+N
Run History Run Configurations...
Ctrl+Shift+F11
Debug History Debug Configurations...
Ctrl+Shift+N
Coverage History Coverage As
Ctrl+Shift+N
Coverage Configurations...
Ctrl+Shift+N
Toggle Breakpoint
Toggle Lambda Entry Breakpoint
Ctrl+Shift+B
Toggle Tracepoint
Toggle Line Breakpoint
Toggle Watchpoint
Toggle Method Breakpoint
Ctrl+Shift+B
Skip All Breakpoints
Remove All Breakpoints
Add Java Exception Breakpoint...
Add Class Load Breakpoint...
Ctrl+Shift+N
All References...
Ctrl+Shift+I
All Instances...
Ctrl+Shift+N
Instance Count...
Ctrl+Shift+N
Watch
Ctrl+Shift+W
Inspect
Ctrl+Shift+I
Display
Ctrl+Shift+D
Execute Ctrl+U
Force Return
Alt+Shift+F
External Tools
Ctrl+Shift+E
m File\Java\jdk-17\bin\javaw.exe (25 Apr 2025, 10:24:19am - 10:24:23am elapsed: 0:00:04.769) [pid: 12076]
3-ec11p8e-34/88995 (testing-customsuite.xml)
sting.Logger.info
sting.LoggerFactory
sting.Graph took 6 ms.
ium.devtools.CdpVersionFinder findNearestMatch
  matching 135
Apr 25, 2025 10:24:21 AM org.openqa.selenium.chromium.ChromiumDriver Lambda$new$4
WARNING: Unable to find version of CDP to use for 135.0.7049.115. You may need to include a dependency on a specific version of the CDP using something like

```

DevOps.testlogin - TAMITU2B1T0002/src

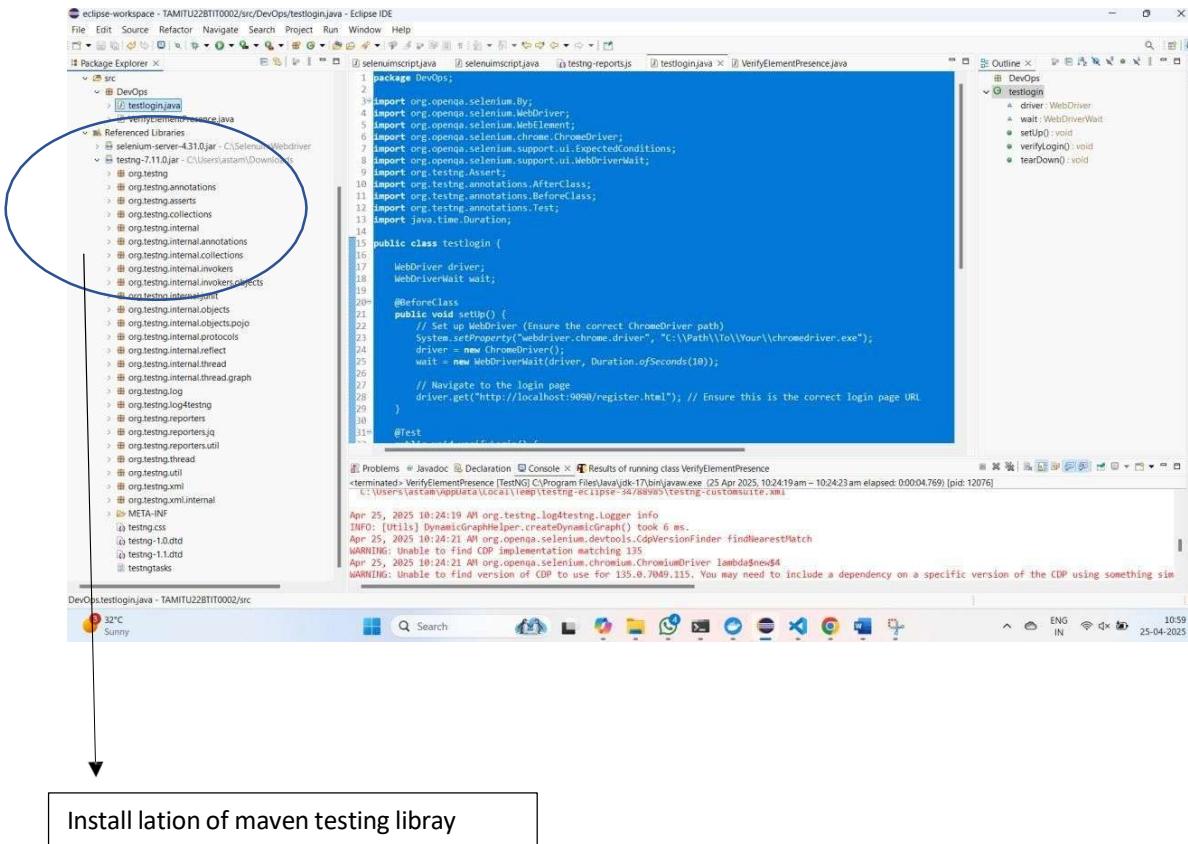
32°C Sunny

Search

EN IN 10:53

Installation of library jar file

## Step 6



Installation of maven testing library

Code for logon test case

```
package DevOps;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;
import org.testng.Assert;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;
import java.time.Duration;

public class testlogin {

    WebDriver driver;
    WebDriverWait wait;
```

```

@BeforeClass
public void setUp() {
    // Set up WebDriver (Ensure the correct ChromeDriver path)
    System.setProperty("webdriver.chrome.driver",
"C:\\\\Path\\\\To\\\\Your\\\\chromedriver.exe");
    driver = new ChromeDriver();
    wait = new WebDriverWait(driver, Duration.ofSeconds(10));

    // Navigate to the login page
    driver.get("http://localhost:9090/register.html"); // Ensure this is the
correct login page URL
}

@Test
public void verifyLogin() {
    // Locate login elements
    WebElement emailField =
wait.until(ExpectedConditions.visibilityOfElementLocated(By.id("emailAddress")));
    WebElement passwordField =
wait.until(ExpectedConditions.visibilityOfElementLocated(By.id("loginPassword")));

    // Try an alternative method to locate the Login button
    WebElement loginButton =
wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//button[contains(text(), 'Login')]")));

    // Enter login credentials
    emailField.sendKeys("testuser@example.com");
    passwordField.sendKeys("SecurePass123");
    loginButton.click();

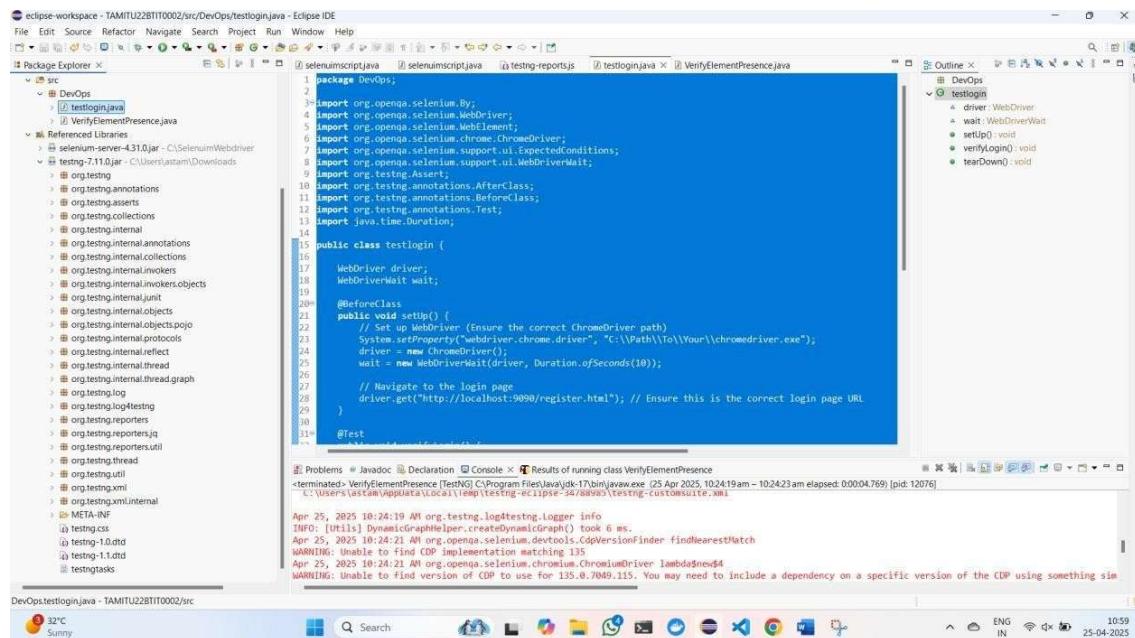
    // Verify login success with an updated selector
    WebElement confirmationMessage =
wait.until(ExpectedConditions.visibilityOfElementLocated(By.cssSelector(".confirmation-class"))); // Update
based on actual site

    // Assertion to validate login success
    Assert.assertTrue(confirmationMessage.isDisplayed(), "Login verification
failed!");

    System.out.println("Login successful!");
}

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

```



## Test case 2 elementn present or not

```
package DevOps;
```

```
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.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

import java.time.Duration;

public class VerifyElementPresence { WebDriver driver;

    @BeforeClass
    public void setUp() {

        // Set up ChromeDriver (Ensure correct path)
        // System.setProperty("webdriver.chrome.driver",
        "C:\\\\Path\\\\To\\\\Your\\\\chromedriver.exe");
        driver = new ChromeDriver();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(10));
        driver.get("http://localhost:9090/register.html"); // Update to the
correct URL
    }

    @Test
}
```

```

public void testElementPresence() {
    try {
        WebElement element = driver.findElement(By.xpath("//*[@id='main-wrapper']/div/div/div[2]/div/div[1]"));
        Assert.assertTrue(element.isDisplayed(), "Element is **not** visible!");
        System.out.println("Element is **present and displayed**.");
    } catch (Exception e) {
        Assert.fail("Element **not found** on the page.");
        System.out.println("Element is **not present**.");
    }
}

@AfterClass
public void tearDown() { driver.quit(); }

}

```

The screenshot shows the Eclipse IDE interface with the following details:

- File Structure (Package Explorer):** The project structure includes a package named `DevOps` containing files `testlogin.java` and `VerifyElementPresence.java`. It also lists several referenced libraries such as `selenium-server-4.3.10.jar`, `testing-7.11.0.jar`, and various org.junit and org.testng annotations.
- Code Editor:** The `VerifyElementPresence.java` file is open, showing Java code for testing element presence using Selenium WebDriver.
- Output Console:** The bottom pane displays the execution results of the test class. It shows the test method `testElementPresence()` was run successfully, with 1 test, 0 failures, and 0 skips. The log output includes timestamped messages from `org.testng` and `org.openqa.selenium`.

output

### TASK 3

```
C:\Windows\System32\cmd.e x + 
=> sha256 :727efbd22607dd74f4964b2cb6551fb3506cdaa11c3c753b5c7bf078555148 12.28MB / 12.28MB          8.6s
=> sha256 :9684ac5f3e3b0548fa3ae227c9a0c25b6828f0b19ebadb16d52e3627cb3c994 488B / 488B          7.7s
=> extracting sha256 :254ef724d77862dc53abbd3bf0e27f9d2f64293999cd3d0aaad6a8fe5a6680659          3.2s
=> sha256 :9e6242b03aed6a54ecf23f2250396lc223d682599cc56e5a93af38a4155fe0025 11.42MB / 11.42MB          10.5s
=> sha256 :a6f9d43f5d5bf7cf8e6296e0de369c994c8db74526179629866135e60be5 2.45kB / 2.45kB          8.9s
=> sha256 :ce5f891bcf0d108edbe9f2cd88ac7fb2c20c01c36c9e8084eb5e34c52abee3dc 243B / 243B          9.3s
=> sha256 :d3ce6e7971458271619017d6a324bf83b7a2057327cd5f1820717bce34e4efa 889B / 889B          9.7s
=> sha256 :4f4fb700ef54461cafa02571ae0db9a0d1e0cd5577484a6d75e68dc38e8ac1 32B / 32B          10.0s
=> extracting sha256 :45d789dc98451a765135948c716260295dcbb162d388e8203f41af2143b6d17f          0.0s
=> extracting sha256 :1d36598777984d1b5f79b031e8099572e3ee81bd0da16c103811d24b991b803          5.8s
=> extracting sha256 :b98ca3230c2b3d3fc792c8668ba0d5c180696b7847e5cddb7b99ec47a5d5f0          0.0s
=> extracting sha256 :a6f9d43f5d5bf7cf8e6296e0de369c994c8db74526179629866135e60be5          0.5s
=> extracting sha256 :ff5ds5a2cecc550651bc6c3e3ac7f6ad0b536f21b0f65932c8ad56d8cf3235a63          0.0s
=> extracting sha256 :41763122faa0bc5ab13d5b12b1b160f59426e6ccb8624c06a1898244c9ed101ec          0.0s
=> extracting sha256 :727efbd22607dd74f4964b2cb6551fb3506cdaa11c3c753b5c7bf078555148          0.1s
=> extracting sha256 :9684ac5f3e3b0548fa3ae227c9a0c25b6828f0b19ebadb16d52e3627cb3c994          0.0s
=> extracting sha256 :9e6242b03aed6a54ecf23f2250396lc223d682599cc56e5a93af38a4155fe0025          1.1s
=> extracting sha256 :a6f9d43f5d5bf7cf8e6296e0de369c994c8db74526179629866135e60be5          0.8s
=> extracting sha256 :be5f891bcf0d108edbe9f2cd88ac7fb2c20c01c36c9e8084eb5e34c52abee3dc          0.0s
=> extracting sha256 :d3ce6e7971458271619017d6a324bf83b7a2057327cd5f1820717bce34e4efa          0.0s
=> extracting sha256 :4f4fb700ef54461cafa02571ae0db9a0d1e0cd5577484a6d75e68dc38e8ac1          0.0s
=> [2/3] RUN a2enmod rewrite          0.0s
=> [3/3] COPY . /var/www/html/          0.1s
=> exporting to image          0.1s
=> exporting layers          0.1s
=> writing image sha256:3b185aca2501c5a0de318b9d8e9f478317bdd9d6dcba70dedadd06340aa80198          0.0s
=> naming to docker.io/library/php-website          0.0s

C:\Users\astam\OneDrive\Desktop\DEVOPS\DevEcommerce>docker run -d -p 8080:80 php-website
e0fc1b0b19b186594ca736c26585e27621263e30fc049127c3e345553b6e91

C:\Users\astam\OneDrive\Desktop\DEVOPS\DevEcommerce>
```

```
C:\Windows\System32\cmd.e x + 
Microsoft Windows [Version 10.0.22631.5189]
(c) Microsoft Corporation. All rights reserved.

C:\Users\astam\OneDrive\Desktop\DEVOPS\DevEcommerce>cd "C:\Users\astam\OneDrive\Desktop\DEVOPS\DevEcommerce"

C:\Users\astam\OneDrive\Desktop\DEVOPS\DevEcommerce>docker build -t php-website .
[+] Building 0.1s (1/1) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 2B
ERROR: failed to solve: failed to read dockerfile: open Dockerfile: no such file or directory

C:\Users\astam\OneDrive\Desktop\DEVOPS\DevEcommerce>docker build -t php-website .
[+] Building 30.7s (9/9) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 262B
=> [internal] load metadata for docker.io/library/php:8.2-apache
=> [auth] library/php:pull token for registry-1.docker.io
=> [internal] load dockerrigore
=> => transferring context: 2B
=> [internal] load build context
=> => transferring context: 20.69MB
=> [1/3] FROM docker.io/library/php:8.2-apache@sha256:e208924aacf97ed8dce0ba54adff30413fe7a9087d7b0d083b36941 26.0s
=> => resolve docker.io/library/php:8.2-apache@sha256:e208924aacf97ed8dce0ba54adff30413fe7a94087d7b0d083b36941d 0.0s
=> sha256 :46b83a98f906d140b5a1154d9a3d037a200576c03c27f5339f12b 11.38kB / 11.38kB          0.0s
=> sha256 :254ef724d77862dc53abbd3bf0e27f9d2f64293999cd3d0aaad6a8fe5a660659 28.23MB / 28.23MB          7.4s
=> sha256 :2488924aac97ed0dce0ba54adff30413fe7a940a87d7b0d083b36941d8aa31 18.40kB / 18.40kB          0.0s
=> sha256 :45d789dc98451a765135948c716260295dcbb162d388e8203f41af2143b6d17f 226B / 226B          1.4s
=> sha256 :1d365987779884d1b5f79b031e8099572e3ee81bd0a16c103811d24b991b803 104.33MB / 104.33MB          17.9s
=> sha256 :ceda9c6c610b027e1daea4c4b1c71708c875c7e3a65a0d012353166a19 3.64kB / 3.64kB          0.0s
=> sha256 :b98ca3230c2b3d3fc792c8668ba0d5c180696b7847f5cddb7b99ec47a5d5f0 226B / 226B          1.8s
=> sha256 :a2ed5d8c5156999c976985d92ad7e071c4591322b6b2b3d0c432192e808521554 26.12MB / 26.12MB          5.5s
=> sha256 :ff5ds5a2cecc550651bc6c3e3ac7f6ad0b536f21b0f65932c8ad56d8cf3235a63 428B / 428B          5.8s
=> sha256 :41763122faa0bc5ab13d5b12b1b160f59426e6ccb8624c06a1898244c9ed101ec 483B / 483B          6.1s
=> sha256 :727efbd22607dd74f4964b2cb6551fb3506cdaa11c3c753b5c7bf078555148 12.28MB / 12.28MB          8.6s
=> sha256 :9684ac5f3e3b0548fa3ae227c9a0c25b6828f0b19ebadb16d52e3627cb3c994 488B / 488B          7.7s
=> extracting sha256 :254ef724d77862dc53abbd3bf0e27f9d2f64293999cd3d0aaad6a8fe5a660659          3.2s
=> sha256 :9e6242b03aed6a54ecf23f2250396lc223d682599cc56e5a93af38a4155fe0025 11.42MB / 11.42MB          10.5s
=> sha256 :a6f9d43f5d5bf7cf8e62296e0de369c994c89db74526179629866135e60be5 2.45kB / 2.45kB          8.9s
=> sha256 :be5f891bcf0d108edbe9f2cd88ac7fb2c20c01c36c9e8084eb5e34c52abee3dc 243B / 243B          9.3s
=> sha256 :d3ce6e7971458271619017d6a324bf83b7a2057327cd5f1820717bce34e4efa 889B / 889B          9.7s
=> sha256 :4f4fb700ef54461cafa02571ae0db9a0d1e0cd5577484a6d75e68dc38e8ac1 32B / 32B          10.0s

C:\Windows\System32\cmd.e x + 
Microsoft Windows [Version 10.0.22631.5189]
(c) Microsoft Corporation. All rights reserved.

C:\Users\astam\OneDrive\Desktop\DEVOPS\DevEcommerce>cd "C:\Users\astam\OneDrive\Desktop\DEVOPS\DevEcommerce"

C:\Users\astam\OneDrive\Desktop\DEVOPS\DevEcommerce>docker build -t php-website .
[+] Building 0.1s (1/1) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 2B
ERROR: failed to solve: failed to read dockerfile: open Dockerfile: no such file or directory

C:\Users\astam\OneDrive\Desktop\DEVOPS\DevEcommerce>docker build -t php-website .
[+] Building 30.7s (9/9) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 262B
=> [internal] load metadata for docker.io/library/php:8.2-apache
=> [auth] library/php:pull token for registry-1.docker.io
=> [internal] load dockerrigore
=> => transferring context: 2B
=> [internal] load build context
=> => transferring context: 20.69MB
=> [1/3] FROM docker.io/library/php:8.2-apache@sha256:e208924aacf97ed8dce0ba54adff30413fe7a9087d7b0d083b36941 26.0s
=> => resolve docker.io/library/php:8.2-apache@sha256:e208924aacf97ed8dce0ba54adff30413fe7a94087d7b0d083b36941d 0.0s
=> sha256 :46b83a98f906d140b5a1154d9a3d037a200576c03c27f5339f12b 11.38kB / 11.38kB          0.0s
=> sha256 :254ef724d77862dc53abbd3bf0e27f9d2f64293999cd3d0aaad6a8fe5a660659 28.23MB / 28.23MB          7.4s
=> sha256 :2488924aac97ed0dce0ba54adff30413fe7a940a87d7b0d083b36941d8aa31 18.40kB / 18.40kB          0.0s
=> sha256 :45d789dc98451a765135948c716260295dcbb162d388e8203f41af2143b6d17f 226B / 226B          1.4s
=> sha256 :1d365987779884d1b5f79b031e8099572e3ee81bd0a16c103811d24b991b803 104.33MB / 104.33MB          17.9s
=> sha256 :ceda9c6c610b027e1daea4c4b1c71708c875c7e3a65a0d012353166a19 3.64kB / 3.64kB          0.0s
=> sha256 :b98ca3230c2b3d3fc792c8668ba0d5c180696b7847f5cddb7b99ec47a5d5f0 226B / 226B          1.8s
=> sha256 :a2ed5d8c5156999c976985d92ad7e071c4591322b6b2b3d0c432192e808521554 26.12MB / 26.12MB          5.5s
=> sha256 :ff5ds5a2cecc550651bc6c3e3ac7f6ad0b536f21b0f65932c8ad56d8cf3235a63 428B / 428B          5.8s
=> sha256 :41763122faa0bc5ab13d5b12b1b160f59426e6ccb8624c06a1898244c9ed101ec 483B / 483B          6.1s
=> sha256 :727efbd22607dd74f4964b2cb6551fb3506cdaa11c3c753b5c7bf078555148 12.28MB / 12.28MB          8.6s
=> sha256 :9684ac5f3e3b0548fa3ae227c9a0c25b6828f0b19ebadb16d52e3627cb3c994 488B / 488B          7.7s
=> extracting sha256 :254ef724d77862dc53abbd3bf0e27f9d2f64293999cd3d0aaad6a8fe5a660659          3.2s
=> sha256 :9e6242b03aed6a54ecf23f2250396lc223d682599cc56e5a93af38a4155fe0025 11.42MB / 11.42MB          10.5s
=> sha256 :a6f9d43f5d5bf7cf8e62296e0de369c994c89db74526179629866135e60be5 2.45kB / 2.45kB          8.9s
=> sha256 :be5f891bcf0d108edbe9f2cd88ac7fb2c20c01c36c9e8084eb5e34c52abee3dc 243B / 243B          9.3s
=> sha256 :d3ce6e7971458271619017d6a324bf83b7a2057327cd5f1820717bce34e4efa 889B / 889B          9.7s
=> sha256 :4f4fb700ef54461cafa02571ae0db9a0d1e0cd5577484a6d75e68dc38e8ac1 32B / 32B          10.0s
```

**Docker Desktop Personal**

**Images / php-website:latest**

**php-website:latest** IN USE

CREATED 7 minutes ago SIZE 522.55 MB

**Layers (32)**

0	# debian.sh --arch 'amd64' out/ 'bookworm' @1745798400'	74.83 MB
1	RUN /bin/sh -c set -eux; { echo 'Package: php*'; echo 'Pin: ...'	46 B
2	ENV PHPIZE_DEPS=autoconf dpkg-dev file g++ gcc libc-d...	0 B
3	RUN /bin/sh -c set -eux; apt-get update; apt-get install -y ...	315.65 MB
4	ENV PHP_INI_DIR=/usr/local/etc/php	0 B
5	RUN /bin/sh -c set -eux; mkdir -p \$PHP_INI_DIR/conf.d; [...]	0 B
6	ENV APACHE_CONFDIR=/etc/apache2	0 B
7	ENV APACHE_ENVVARS=/etc/apache2/envvars	0 B
8	RUN /bin/sh -c set -eux; apt-get update; apt-get install -y ...	49.76 MB
9	RUN /bin/sh -c a2dismod mpm_event && a2enmod mpm...	68 B

**Vulnerabilities** **Packages**

Analyzed by **Docker Scout**

**This image has not been analyzed**

You can use Docker Scout to analyze local images and list its vulnerabilities.

**Start analysis**

Enable background indexing in [Settings](#) so your results are always ready.

**Terminal v4.40.0**

**Images** Give feedback

View and manage your local and Docker Hub images. [Learn more](#)

**Local** Docker Hub repositories

522.55 MB / Bytes in use 1 Images

Last refresh: 18 minutes ago

**Space to be reclaimed 522.55 MB**

<input checked="" type="checkbox"/>	Name	Tag	Image ID	Created	Size	Actions
<input checked="" type="checkbox"/>	php-website	latest	3b185aca2501	7 minutes ago	522.55 MB	<a href="#">D</a> <a href="#">⋮</a> <a href="#">Delete</a>

Selected 1 of 1

**Walkthroughs**

How do I run a container?

```
1 FROM node
2 RUN mkdir -p /app
3 WORKDIR /app
4 COPY packa
```

6 mins

Run Docker Hub images

5 mins

[View more in the Learning center](#)

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