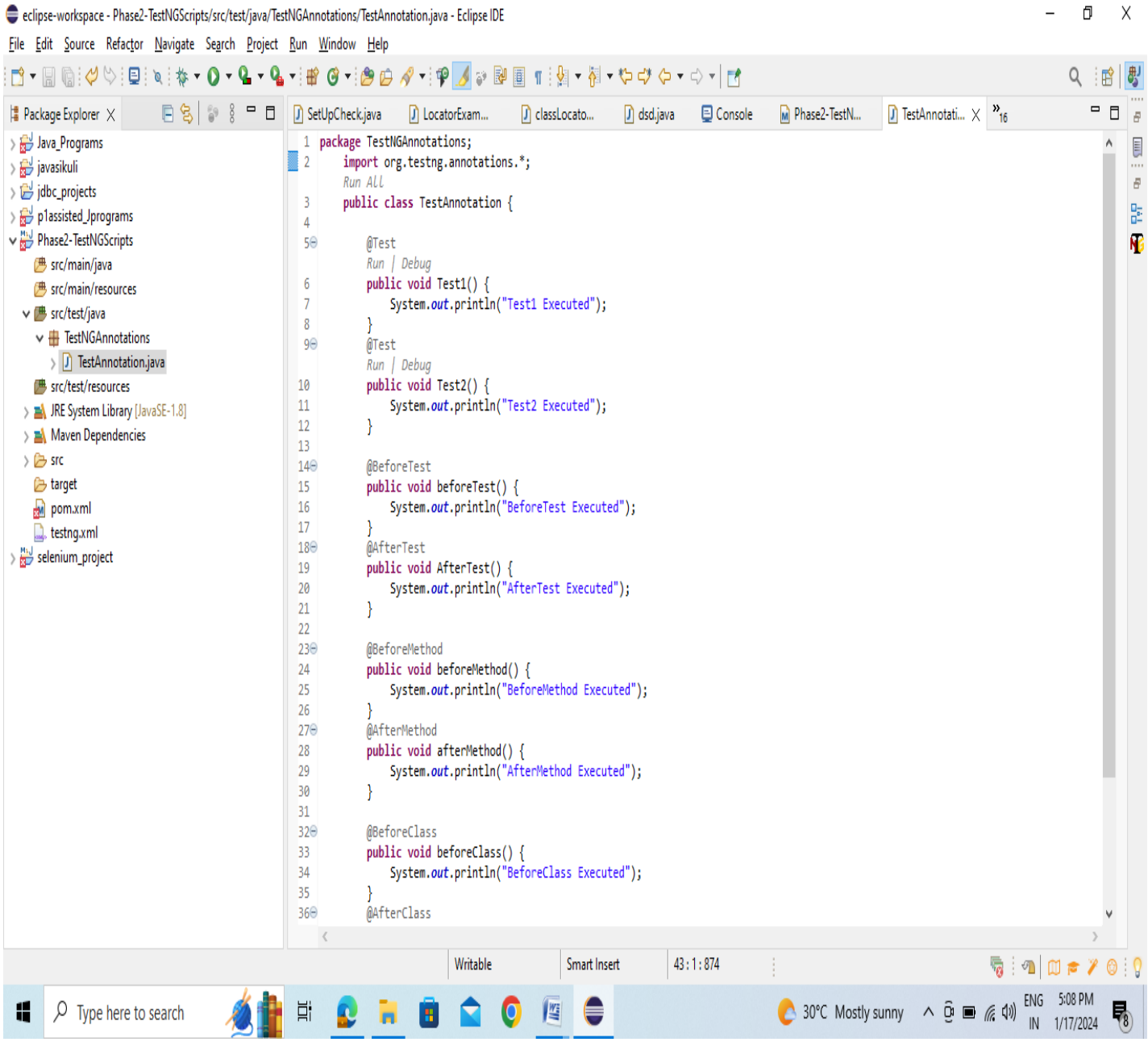
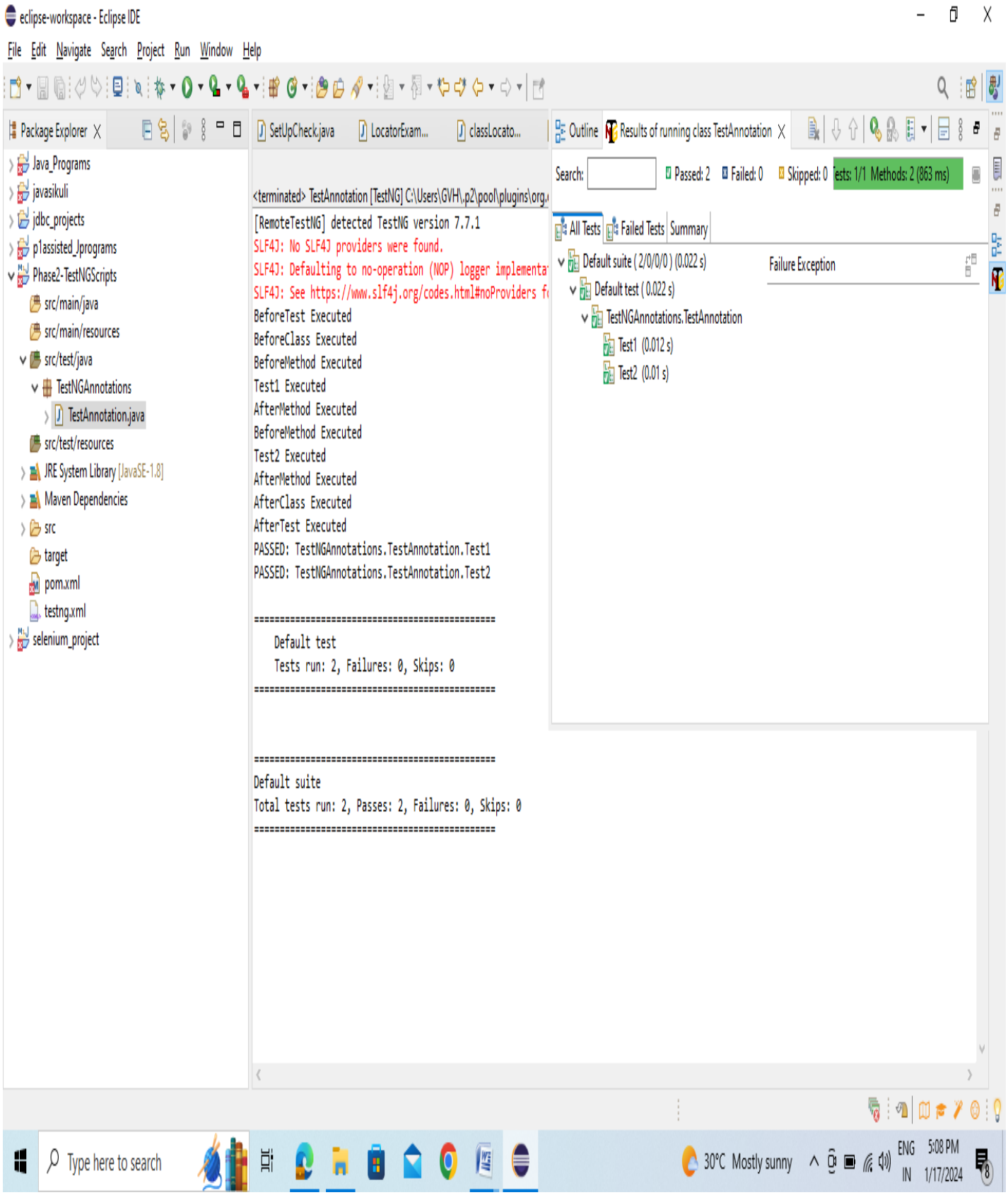
PHASE 2 **EMP ID: 2587325**

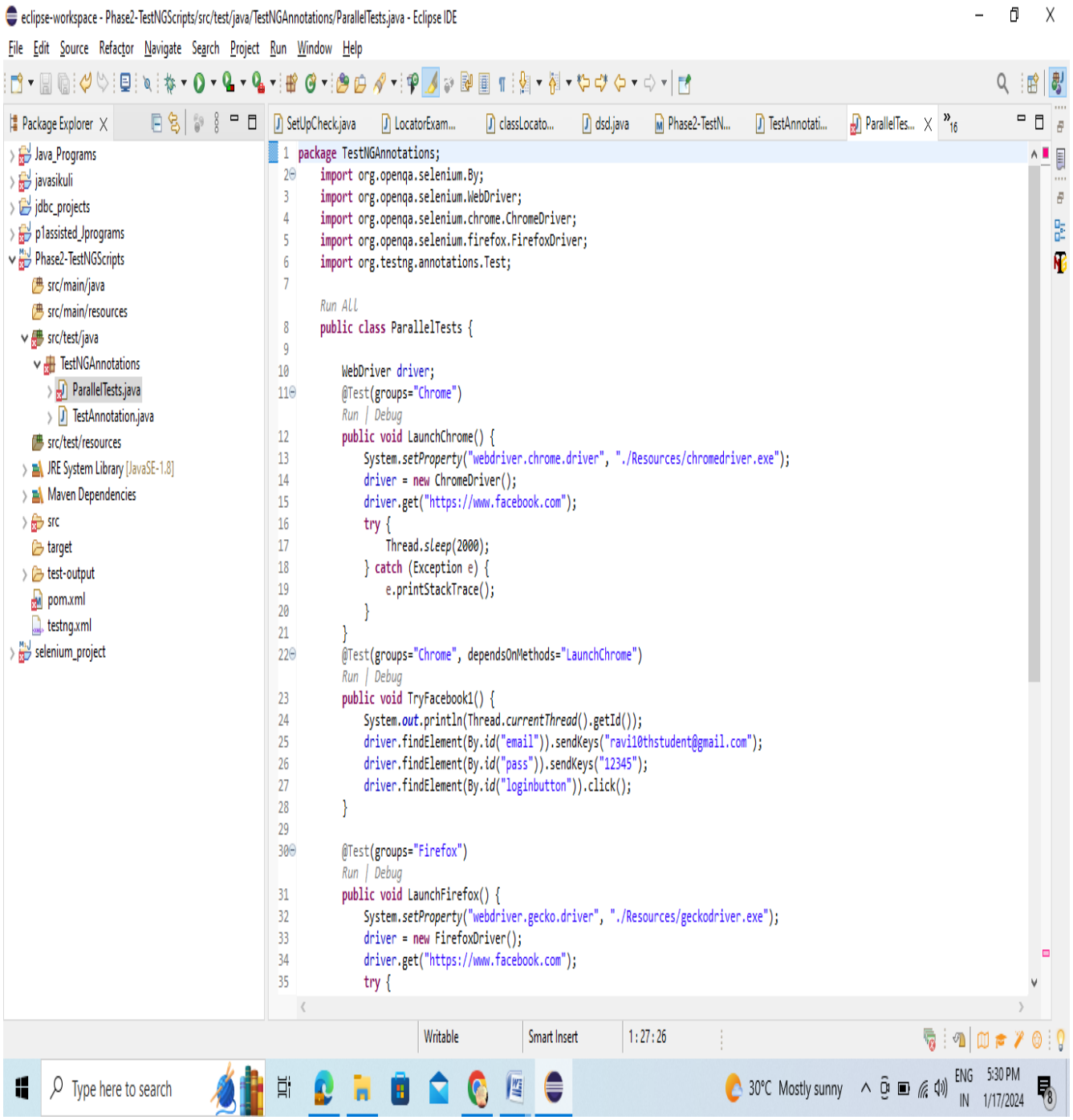
ASSISTED PRACTICE PROJECTS **NAME: HIRANMAI**

1. Perform All Test Annotations

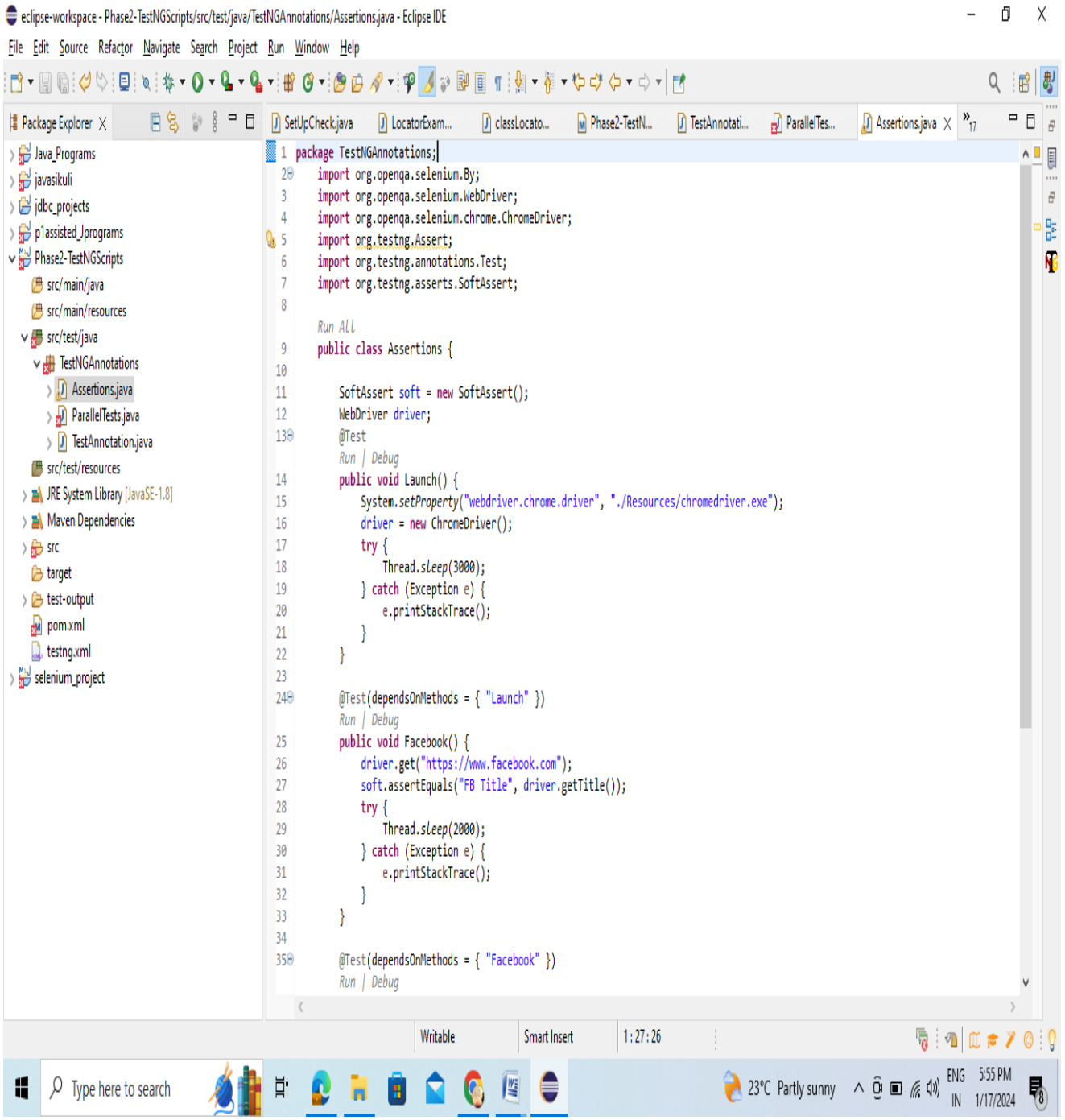



eclipse-workspace - Eclipse IDE
File Edit Navigate Search Project Run Window Help
Package Explorer
Java_Programs
javasikuli
jdbc_projects
p1assisted_Jprograms
Phase2-TestNGScripts
src/main/java
src/main/resources
src/test/java
TestNGAnnotations
TestAnnotation.java
src/test/resources
JRE System Library [JavaSE-1.8]
Maven Dependencies
src
target
pom.xml
testng.xml
selenium_project
SetUpCheck.java
LocatorExam...
classLocato...
<terminated> TestAnnotation [TestNG] C:\Users\GVH\.p2\pool\plugins\org.
[RemoteTestNG] detected TestNG version 7.7.1
SLF4J: No SLF4J providers were found.
SLF4J: Defaulting to no-operation (NOP) logger implementa
SLF4J: See https://www.slf4j.org/codes.html#noProviders f
BeforeTest Executed
BeforeClass Executed
BeforeMethod Executed
Test1 Executed
AfterMethod Executed
BeforeMethod Executed
Test2 Executed
AfterMethod Executed
AfterClass Executed
AfterTest Executed
PASSED: TestNGAnnotations.TestAnnotation.Test1
PASSED: TestNGAnnotations.TestAnnotation.Test2
Default test
Tests run: 2, Failures: 0, Skips: 0
Default suite
Total tests run: 2, Passes: 2, Failures: 0, Skips: 0
Outline
Results of running class TestAnnotation
Search:
Passed: 2
Failed: 0
Skipped: 0
ests: 1/1 Methods: 2 (863 ms)
All Tests
Failed Tests
Summary
Default suite (2/0/0/0) (0.022 s)
Default test (0.022 s)
TestNGAnnotations.TestAnnotation
Test1 (0.012 s)
Test2 (0.01 s)
Failure Exception
Type here to search
30°C Mostly sunny
ENG
IN
5:08 PM
1/17/2024

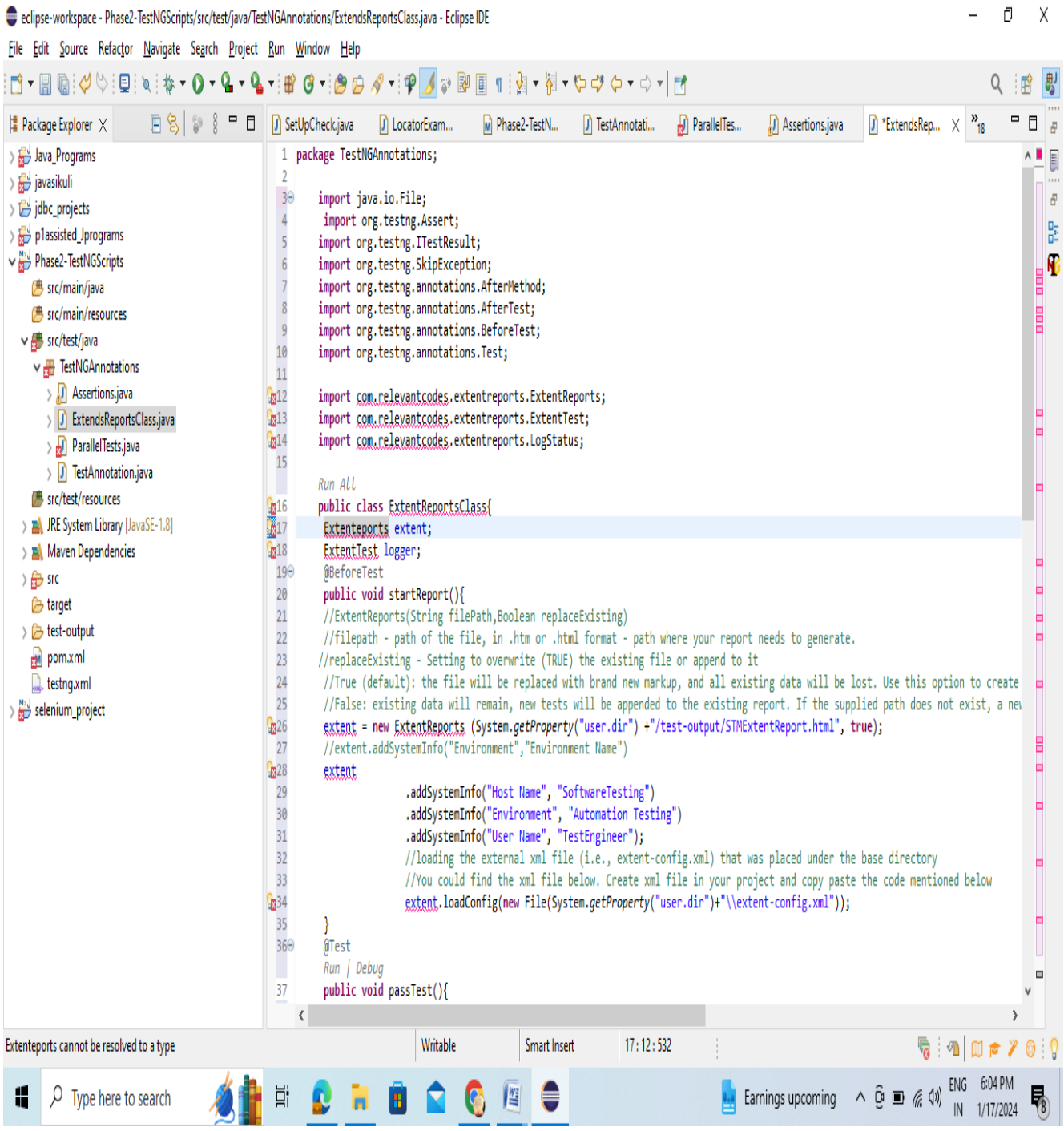
2. Group Test Cases and Parallel Test Execution



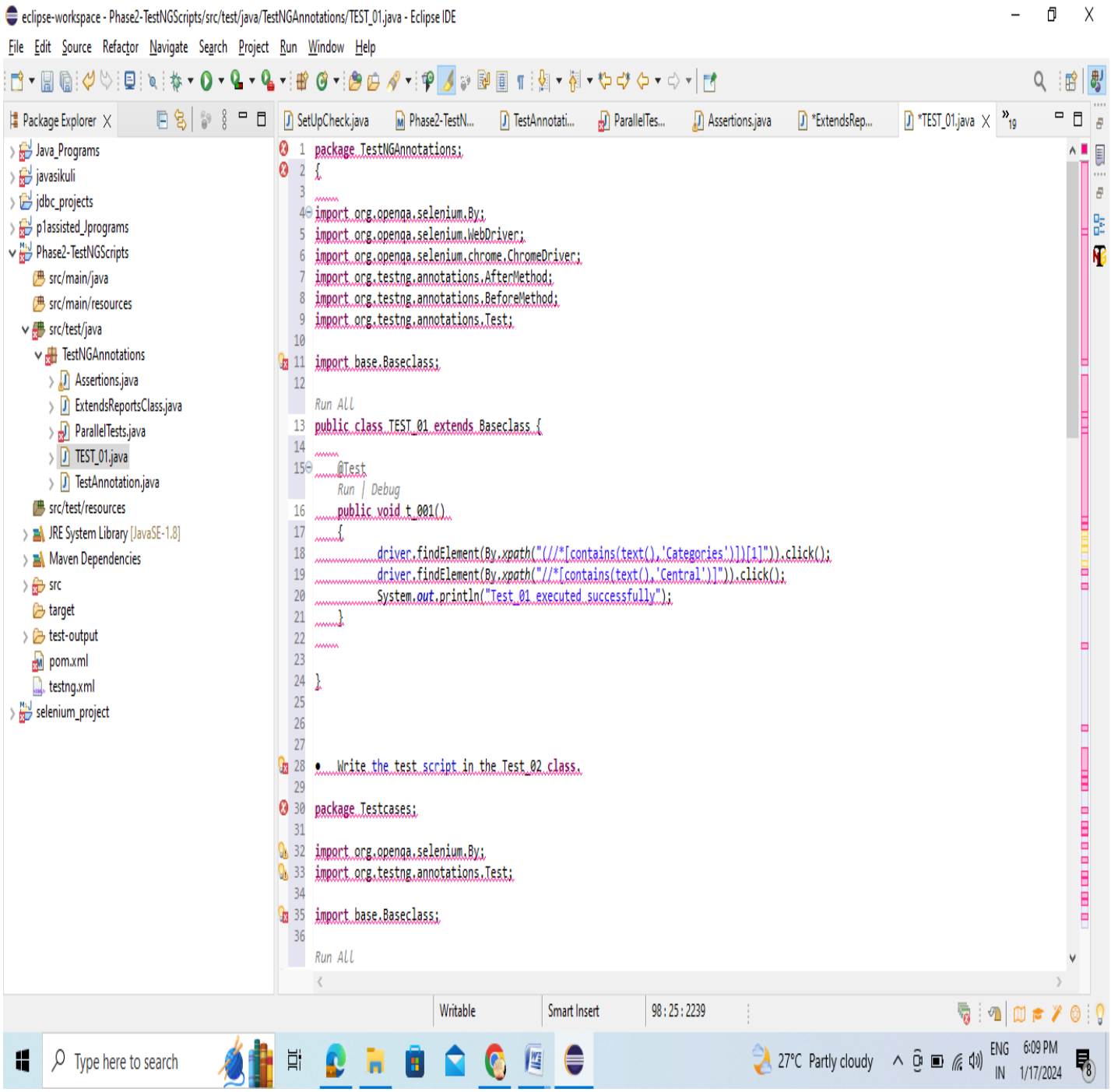
3. Evaluating Test Cases



4. Reports Using Extent Reports



5. Exporting Reports in Excel .



7.XML Parsers

There are mainly three types of XML parsers:

1) SAX

2) DOM

3) Pull parser

1: SAX

SAX stands for 'Simple API for XML'. It does not create any internal structure. Clients do not know what methods to call. They just override the methods of the API and place his own code inside the method. It is an event-based parser, it works as an event handler in Java.

- Advantages
  - Since it reads each unit of XML, it creates an event so that the calling program can use it.
  - SAX uses what it likes to, by ignoring the bits which it doesn't care about.
  - It is memory efficient.
  - It's very fast and works for huge documents.
- Disadvantages
  - The main disadvantage of SAX is that the Calling program must keep track of everything it might ever need.
  - Since its Event-based, its API is less Intuitive.

2: DOM

DOM stands for 'Document Object Model'. A DOM Parser creates an internal structure in memory which is a DOM document object and the client applications get information of the original XML document by invoking methods on this document object. DOM Parser has a tree-based structure.

- Advantages

- It supports both Read and Write operations.
- It is preferred when there is random access to widely separated parts of the documents required.
- It builds the entire XML document representation in memory and then hands the calling program the whole chunk of memory.

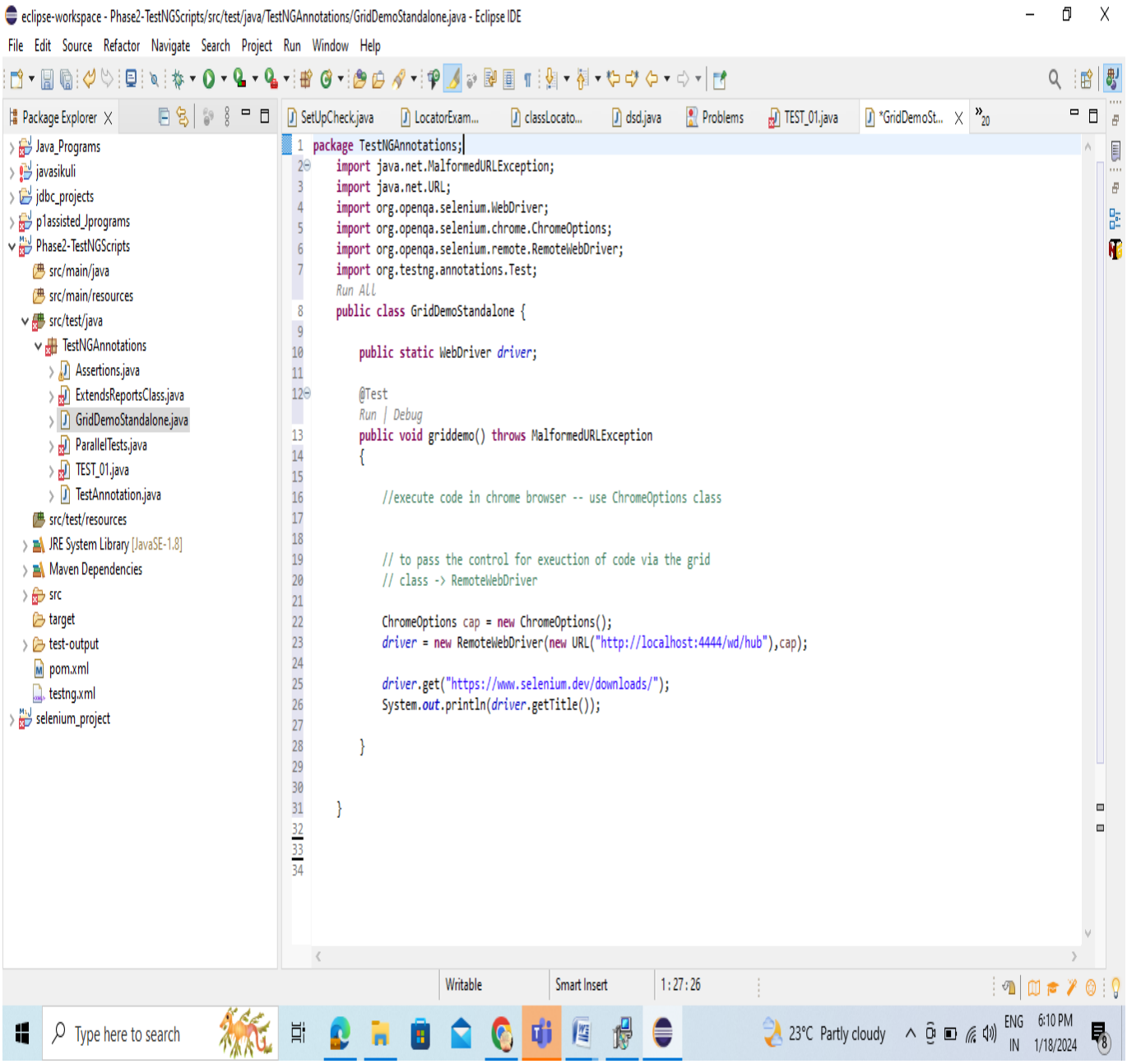
- Disadvantages
  - It consumes more memory since the whole XML document will be loaded into the memory.

3: Pull Parser

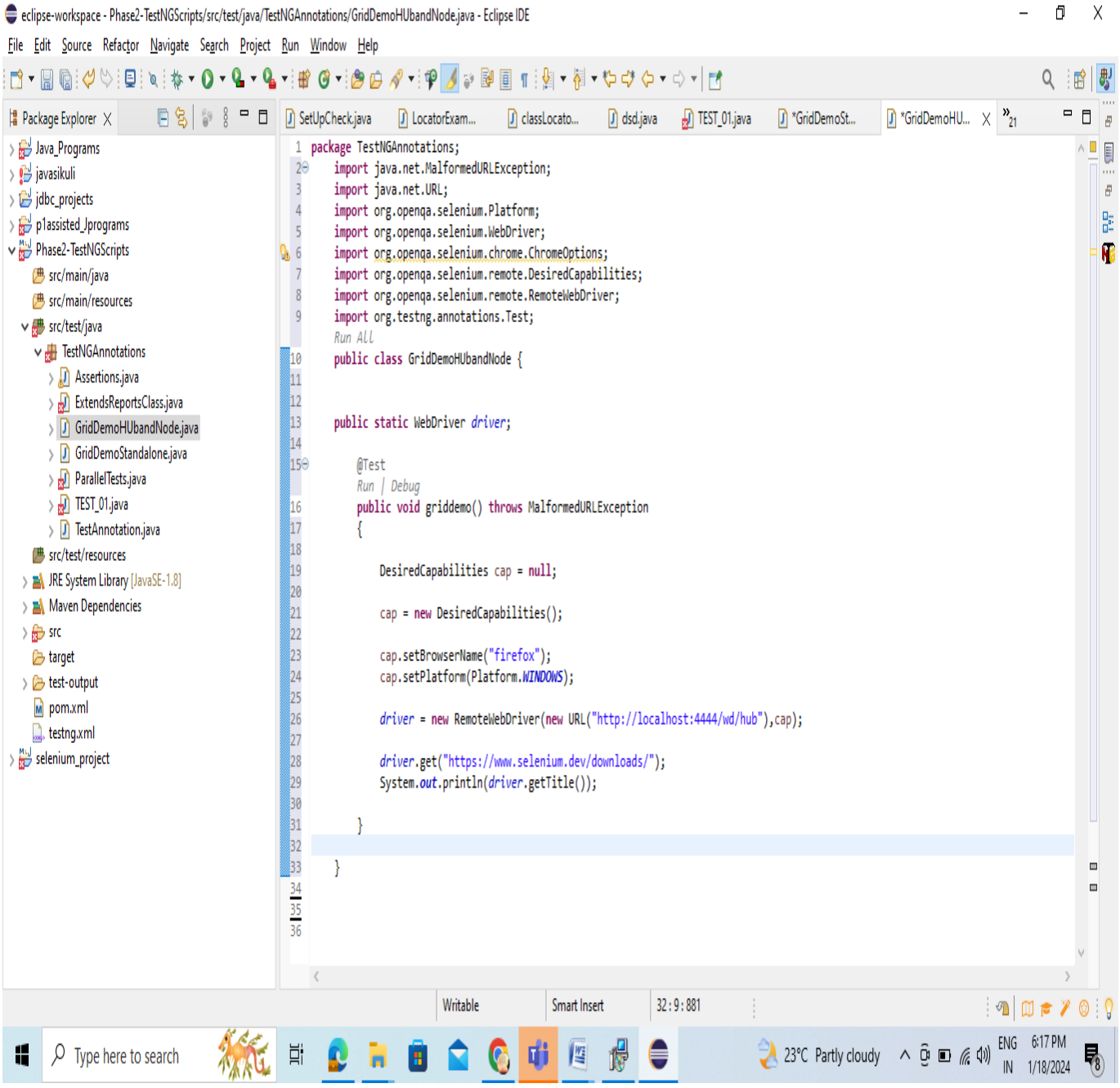
Pull parser waits for the application to come calling. That is, they ask for the next available event, and the application basically loops until it runs out of XML.

- Advantages
  - It is designed to be used with large data sources.
  - Pull parser chooses to skip the events (whole section of the document) which it is not interested in.

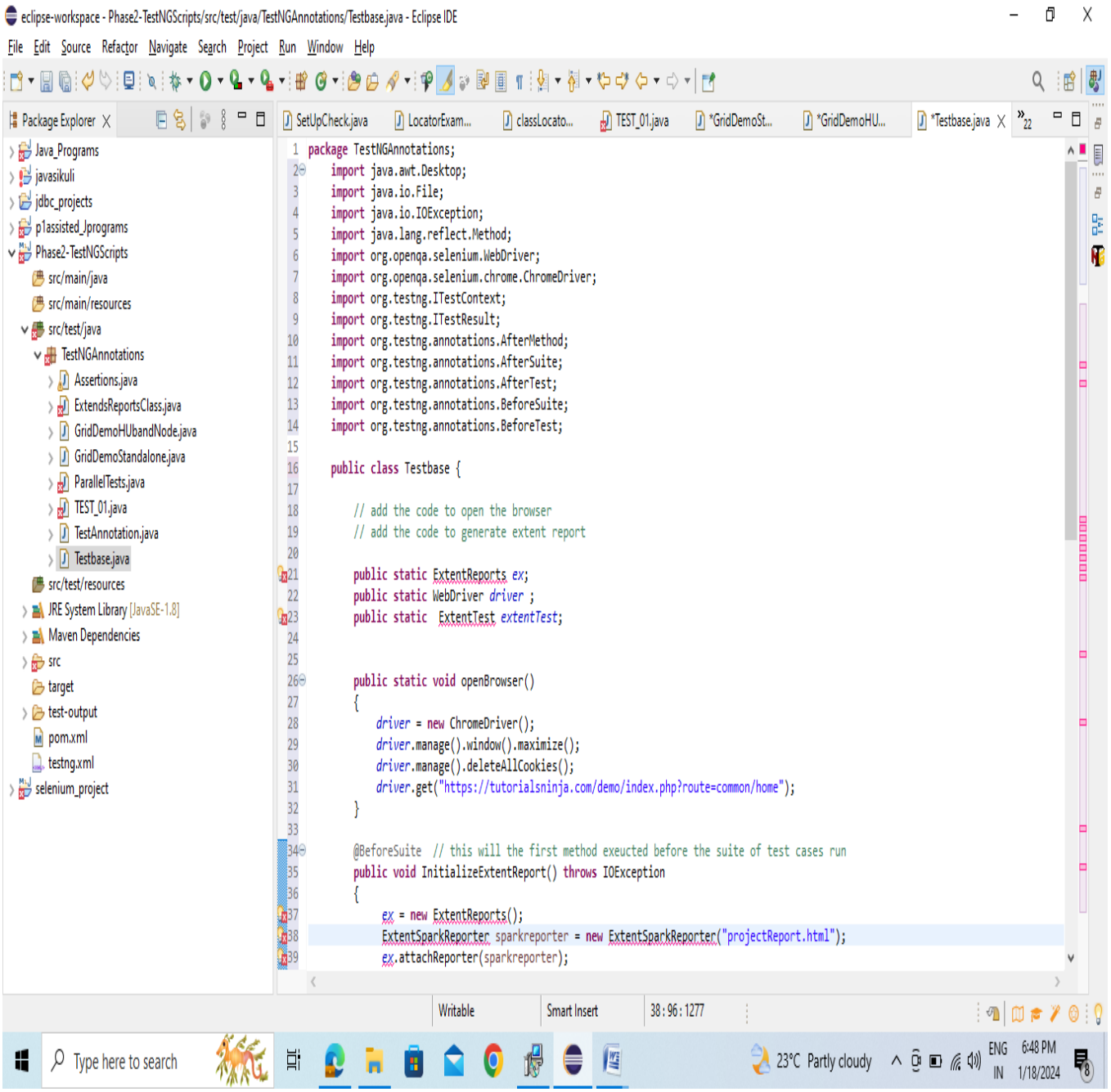
8. Grid Configuration Using JSON



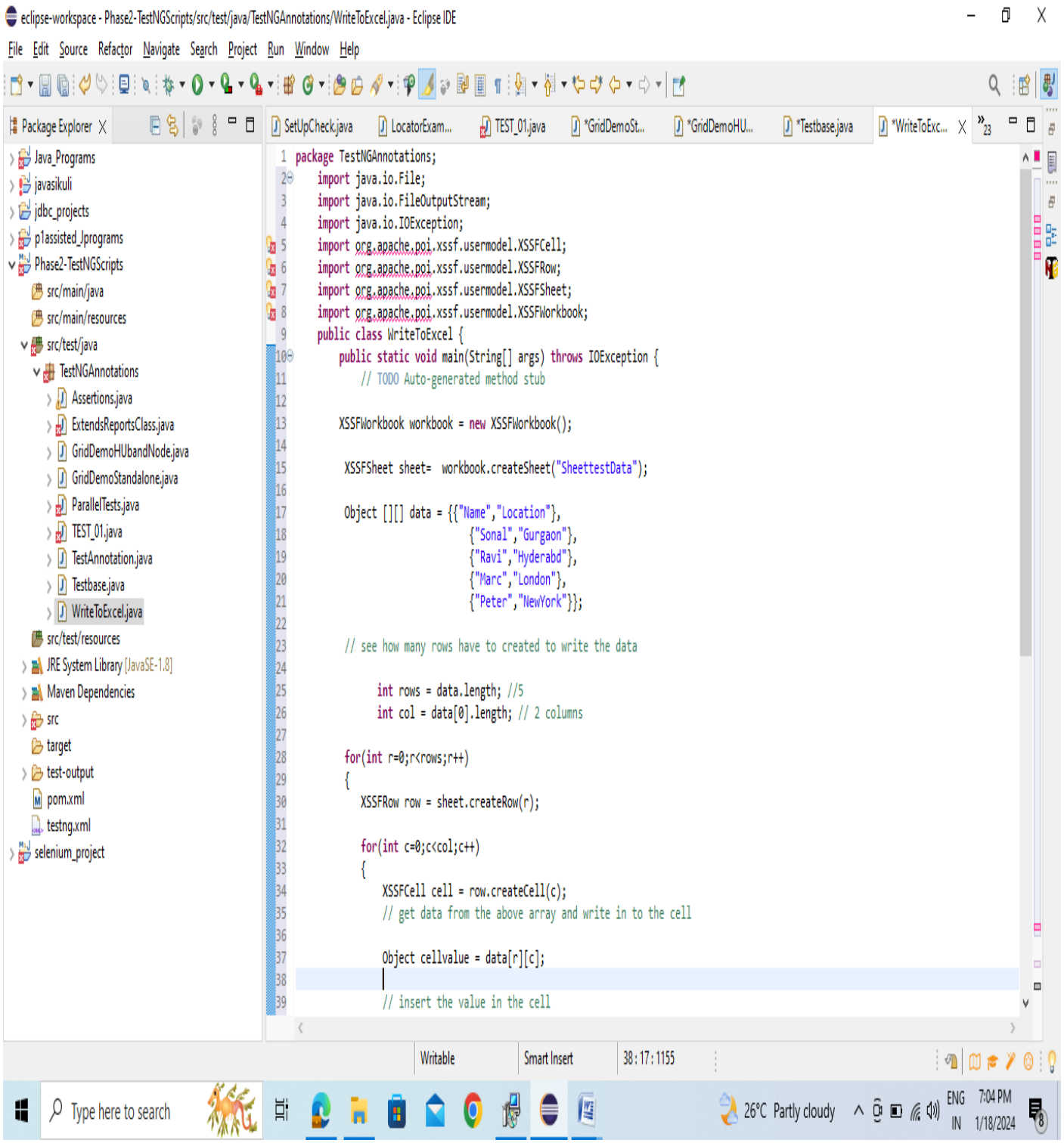
9. Running Tests on Selenium Grid on Multiple Browsers



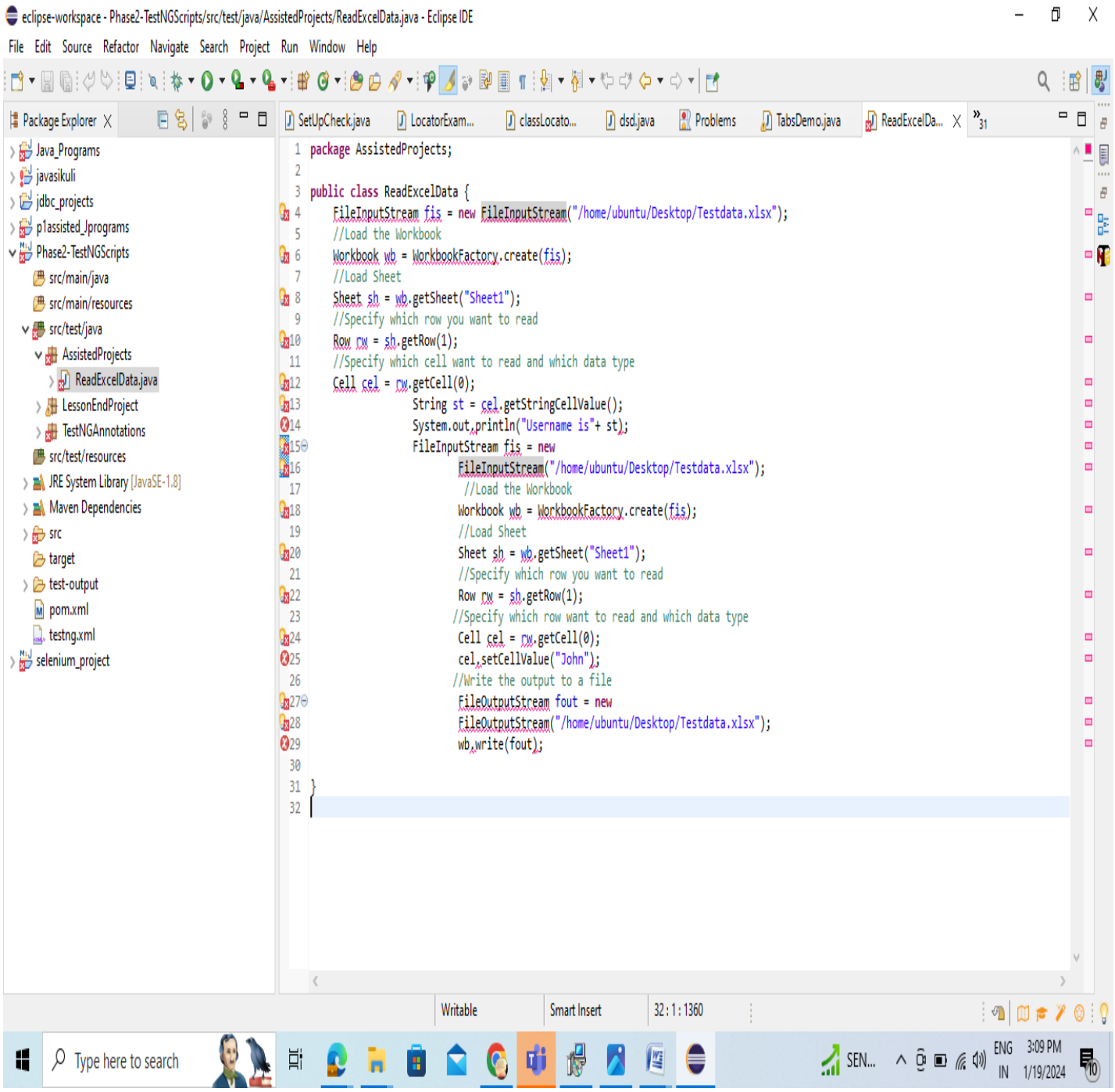
10. Page Object Design Pattern.



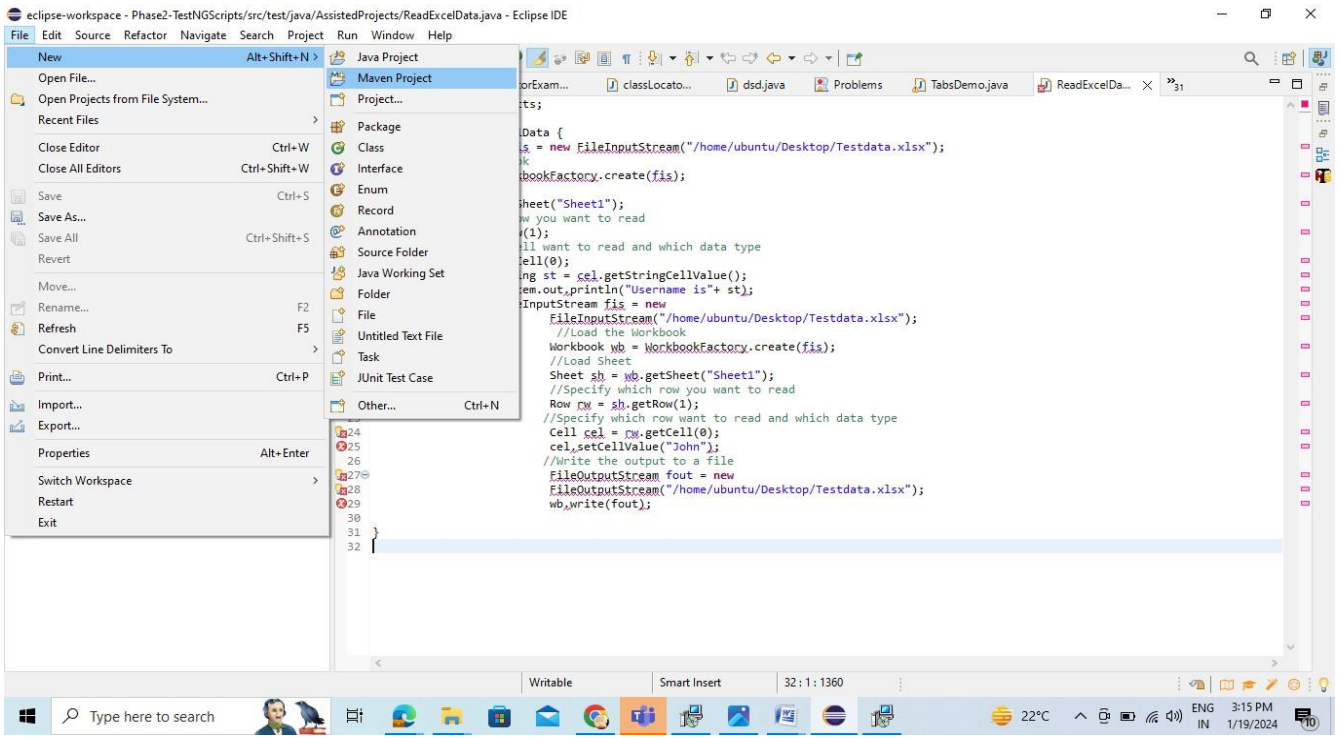
11. Apache POI Configuration.

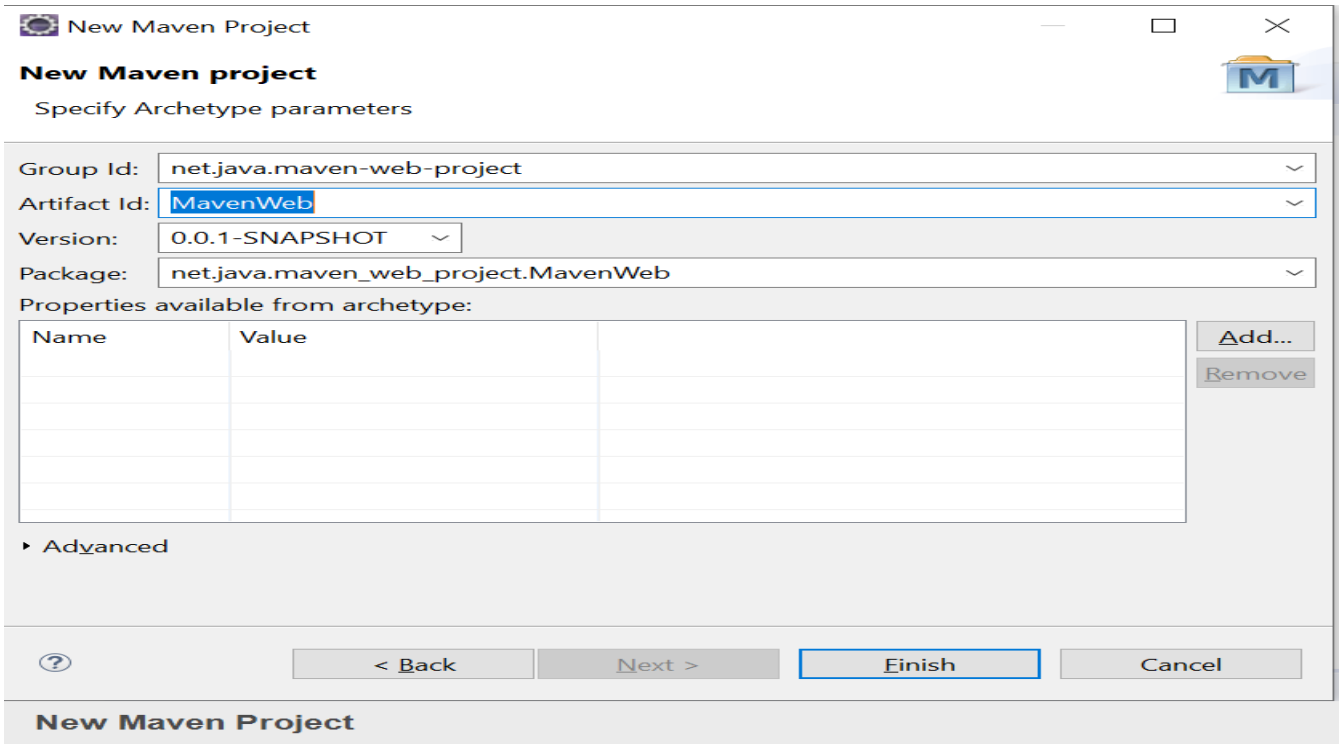


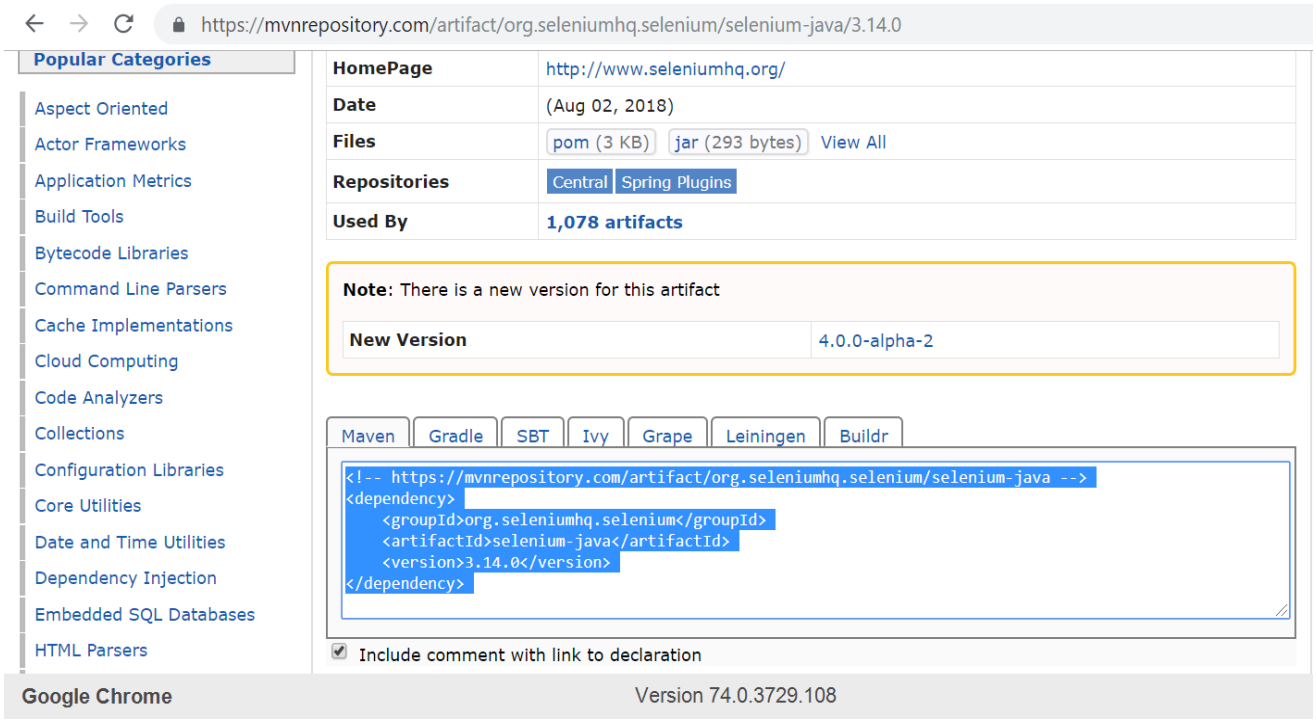
12. Reading Data from an Excel Sheet.



13. Maven Configuration






https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java/3.14.0
Popular Categories
Aspect Oriented
Actor Frameworks
Application Metrics
Build Tools
Bytecode Libraries
Command Line Parsers
Cache Implementations
Cloud Computing
Code Analyzers
Collections
Configuration Libraries
Core Utilities
Date and Time Utilities
Dependency Injection
Embedded SQL Databases
HTML Parsers
HomePage
http://www.seleniumhq.org/
Date
(Aug 02, 2018)
Files
pom (3 KB)
jar (293 bytes)
View All
Repositories
Central
Spring Plugins
Used By
1,078 artifacts
Note: There is a new version for this artifact
New Version
4.0.0-alpha-2
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Gradle
SBT
Ivy
Grape
Leiningen
Buildr
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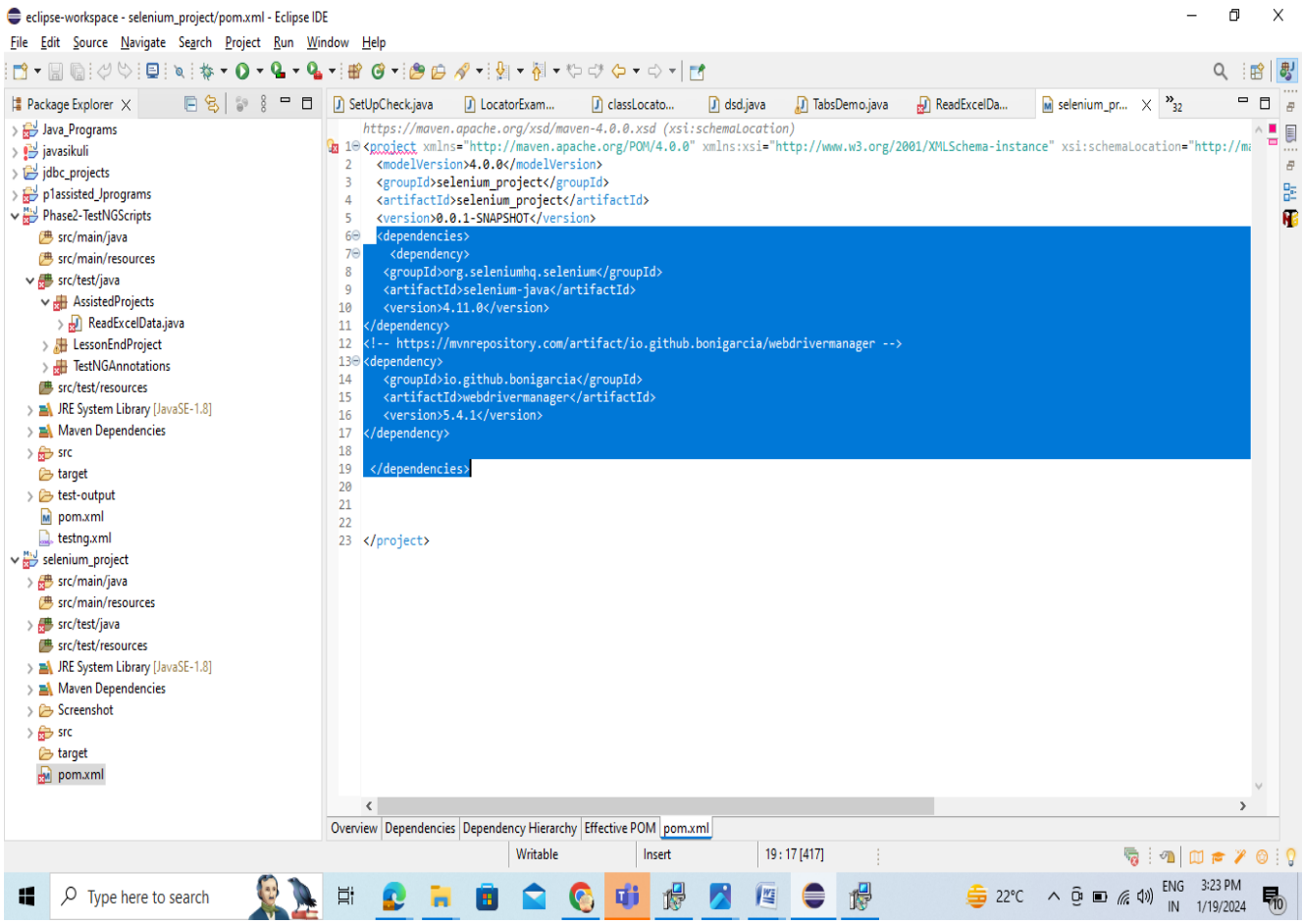
Google Chrome
Version 74.0.3729.108


eclipse-workspace - selenium_project/pom.xml - Eclipse IDE
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Package Explorer
Java_Programs
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Phase2-TestNGScripts
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src/test/java
AssistedProjects
ReadExcelData.java
LessonEndProject
TestNGAnnotations
src/test/resources
JRE System Library [JavaSE-1.8]
Maven Dependencies
src
target
test-output
pom.xml
testng.xml
selenium_project
src/main/java
src/main/resources
src/test/java
src/test/resources
JRE System Library [JavaSE-1.8]
Maven Dependencies
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pom.xml
SetUpCheck.java
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dsd.java
TabsDemo.java
ReadExcelDa...
selenium_pr...
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Overview
Dependencies
Dependency Hierarchy
Effective POM
pom.xml
Writable
Insert
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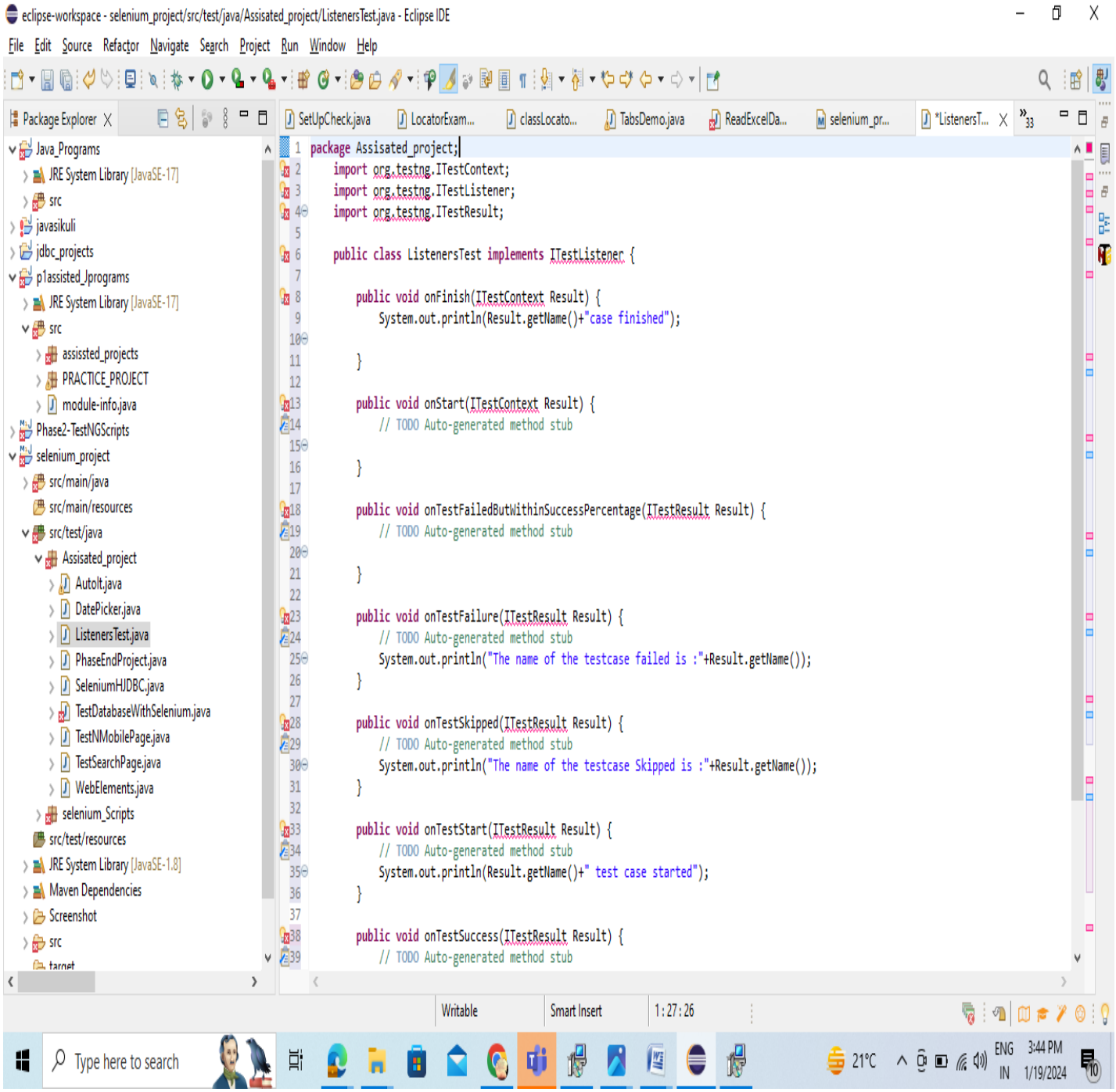
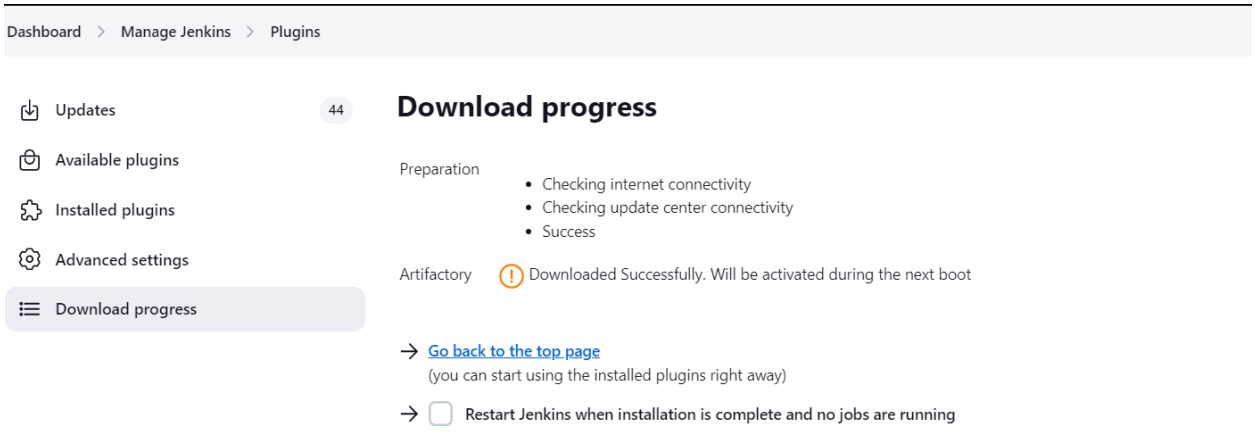
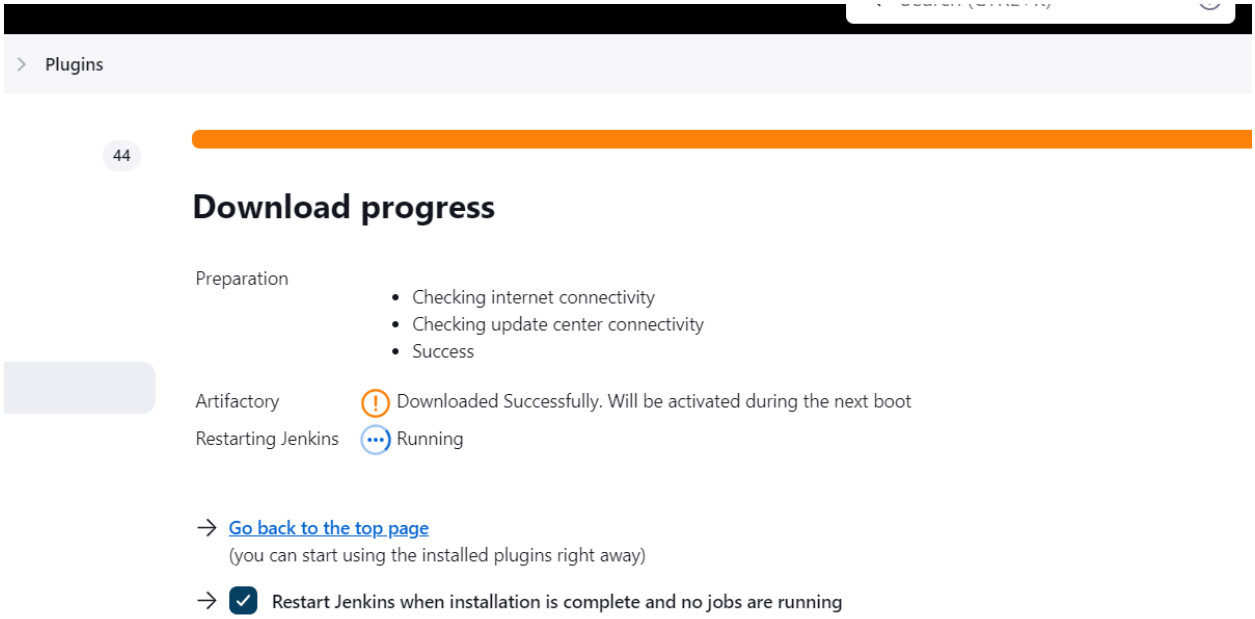
1/19/2024

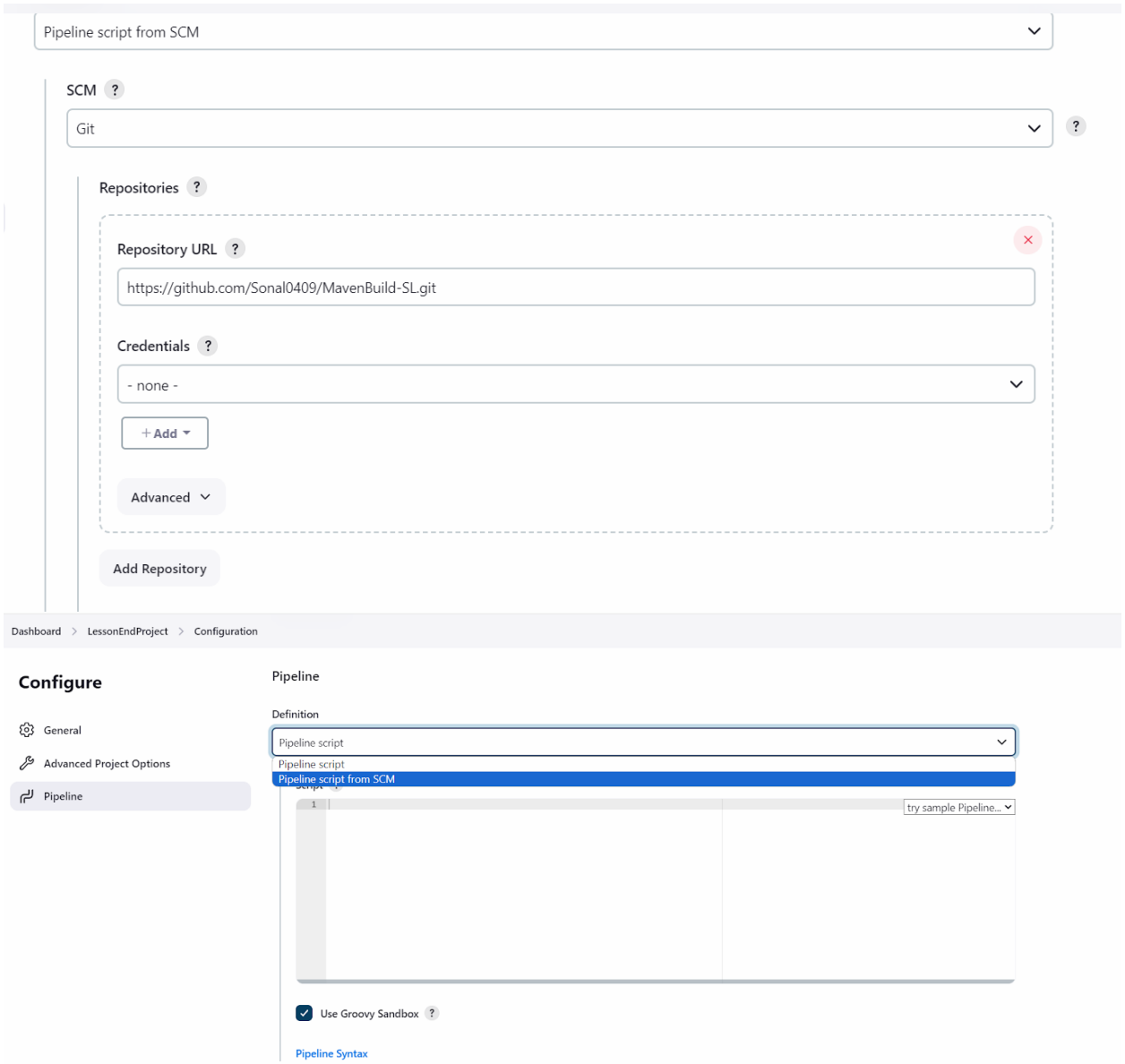
15. Listeners - Context, iTest, iTestResults.

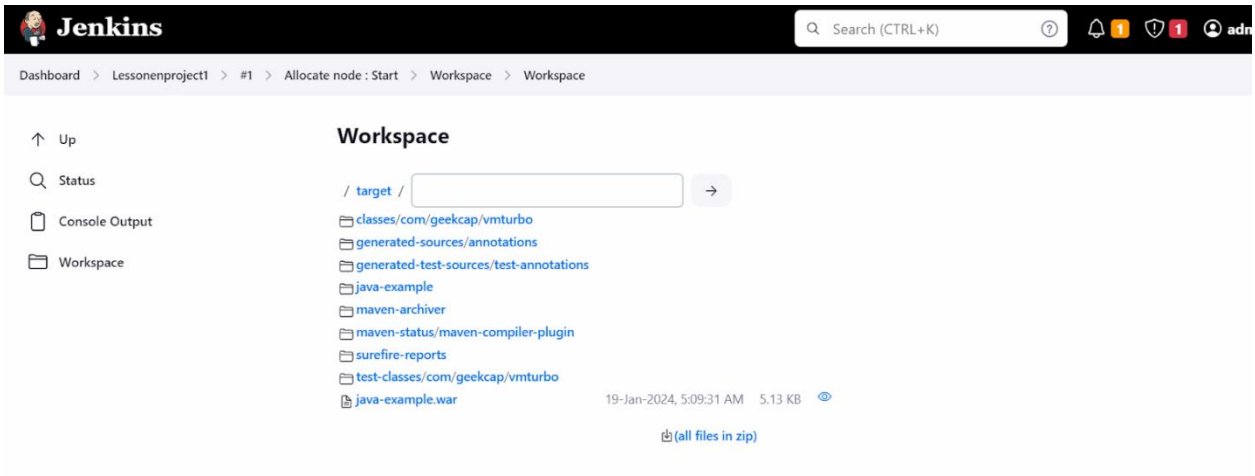


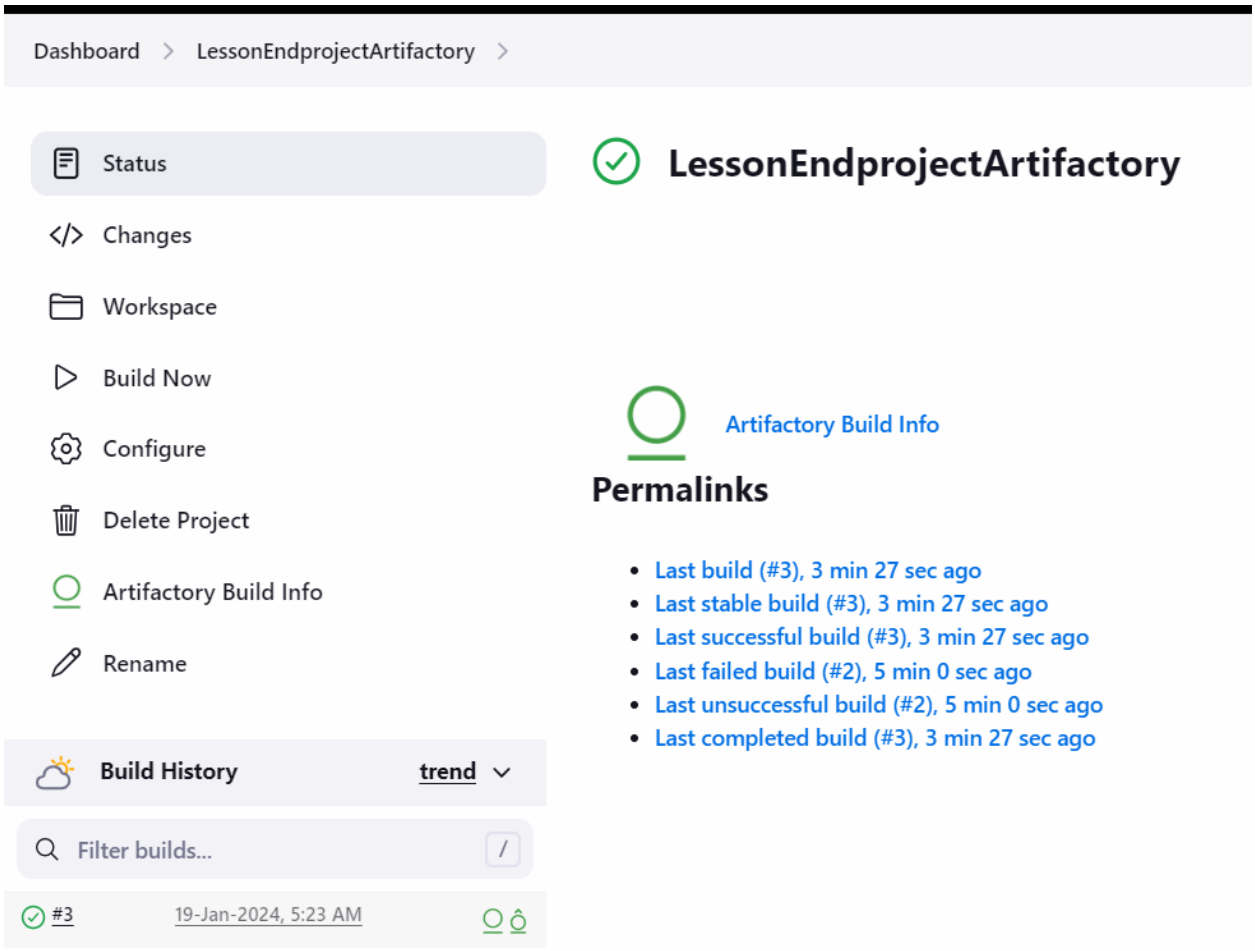
16. Install Artifactory



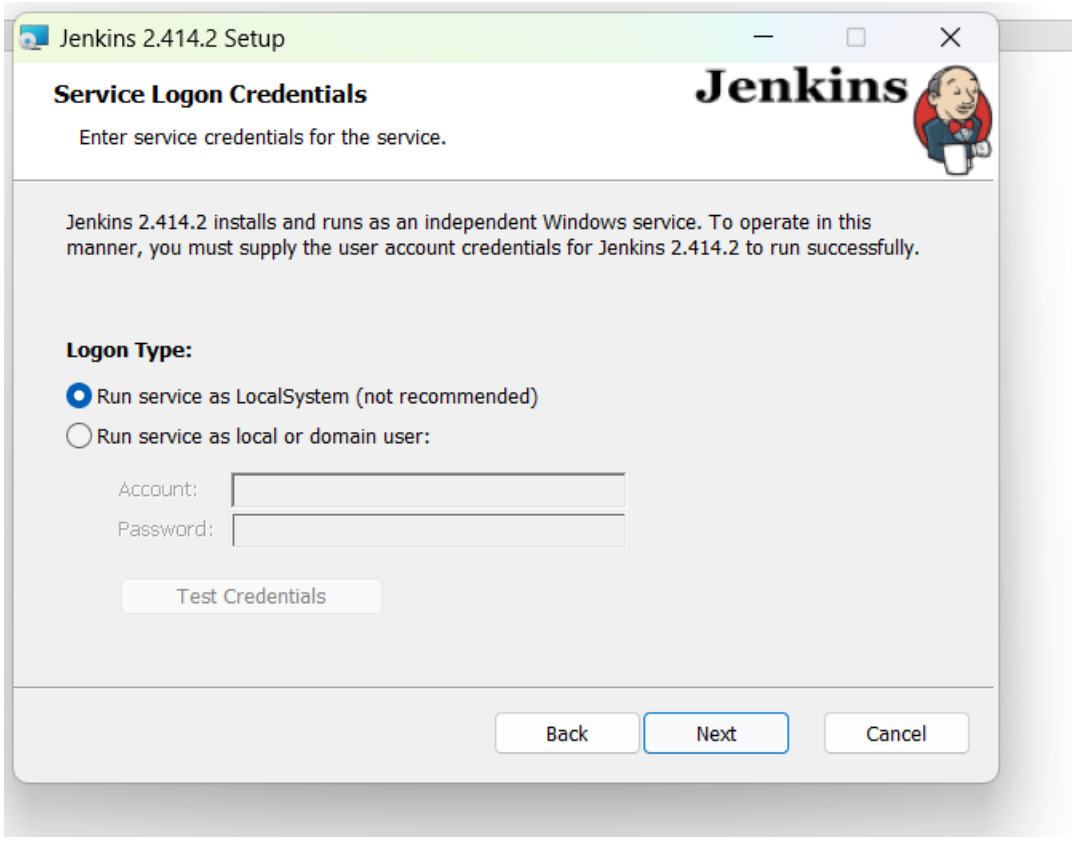


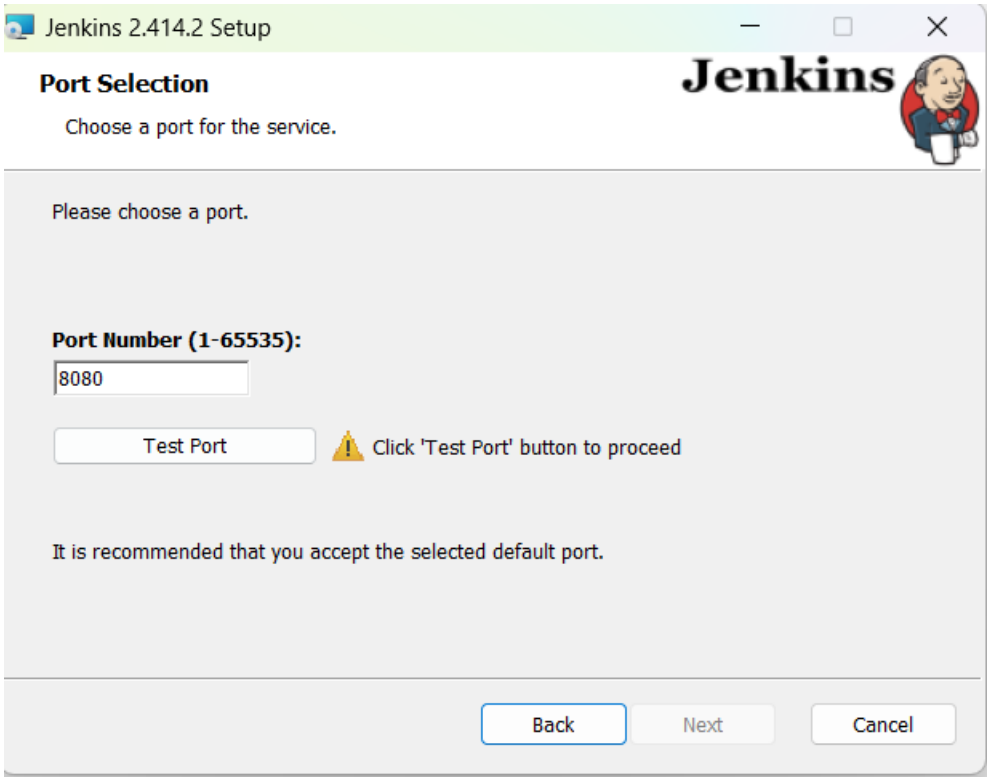

Pipeline script from SCM
SCM
Git
Repositories
Repository URL
https://github.com/Sonal0409/MavenBuild-SL.git
Credentials
- none -
+ Add
Advanced
Add Repository
Dashboard
LessonEndProject
Configuration
Configure
General
Advanced Project Options
Pipeline
Pipeline
Definition
Pipeline script
Pipeline script
Pipeline script from SCM
try sample Pipeline...
Use Groovy Sandbox
Pipeline Syntax


Jenkins
Search (CTRL+K)
Dashboard > Lessonenproject1 > #1 > Allocate node : Start > Workspace > Workspace
Up
Status
Console Output
Workspace
Workspace
/ target /
classes/com/geekcap/vmturbo
generated-sources/annotations
generated-test-sources/test-annotations
java-example
maven-archiver
maven-status/maven-compiler-plugin
surefire-reports
test-classes/com/geekcap/vmturbo
java-example.war
19-Jan-2024, 5:09:31 AM
5.13 KB
(all files in zip)


Dashboard > LessonEndprojectArtifactory >
Status
Changes
Workspace
Build Now
Configure
Delete Project
Artifactory Build Info
Rename
Build History
trend
Filter builds...
#3
19-Jan-2024, 5:23 AM
LessonEndprojectArtifactory
Artifactory Build Info
Permalinks
Last build (#3), 3 min 27 sec ago
Last stable build (#3), 3 min 27 sec ago
Last successful build (#3), 3 min 27 sec ago
Last failed build (#2), 5 min 0 sec ago
Last unsuccessful build (#2), 5 min 0 sec ago
Last completed build (#3), 3 min 27 sec ago

18. Build and Configure CI/CD Pipeline with Selenium WebDriver.


Jenkins 2.414.2 Setup
Service Logon Credentials
Enter service credentials for the service.
Jenkins
Jenkins 2.414.2 installs and runs as an independent Windows service. To operate in this manner, you must supply the user account credentials for Jenkins 2.414.2 to run successfully.
Logon Type:
Run service as LocalSystem (not recommended)
Run service as local or domain user:
Account:
Password:
Test Credentials
Back
Next
Cancel


Jenkins 2.414.2 Setup
Port Selection
Choose a port for the service.
Jenkins
Please choose a port.
Port Number (1-65535):
8080
Test Port
Click 'Test Port' button to proceed
It is recommended that you accept the selected default port.
Back
Next
Cancel

19. Selenium with Jenkins.