AUTOMATION ON SELENIUM WEBSITE USING SELENIUM

Spring Boot :

Spring Boot is a project that is built on the top of the Spring Framework. It provides an easier and faster way to set up, configure, and run both simple and web-based application.

Spring Initializr :

Spring Initializr isa Web-based tool that generates the Spring Boot project structure.

•Modern IDEs have integrated Spring Initializr that provides the initial project structure.

•Spring Initializer provides an extensible API to generate JVM-based projects,

•It is used to inspect the metadata which used for generating projects, for instance to list the available dependencies and version.

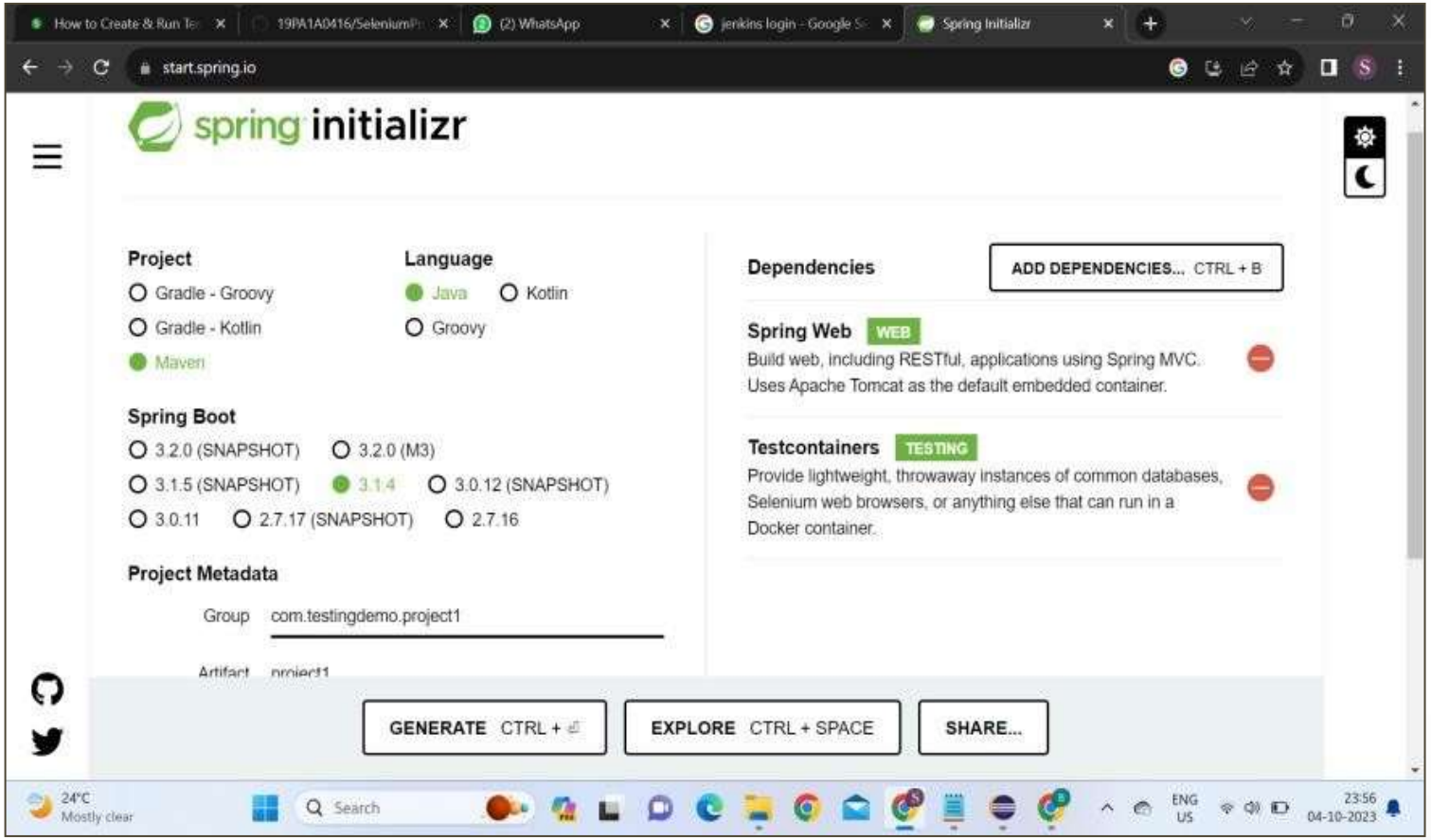
Contents:

INTRODUCTION:

- Presentation is about the Automating the website using selenium tool
- Selenium is an open-source, automated testing tool used to test webapplications across multiple browsers.
- Selenium is developed by Jason Huggins in 2004.
- Selenium supports automation across different browsers, platformsand programming languages.

SPRING BOOT INITIALIZR:

Spring Initializr is a Web-based tool that generates the Spring Boot projectstructure.



ECLIPSE:

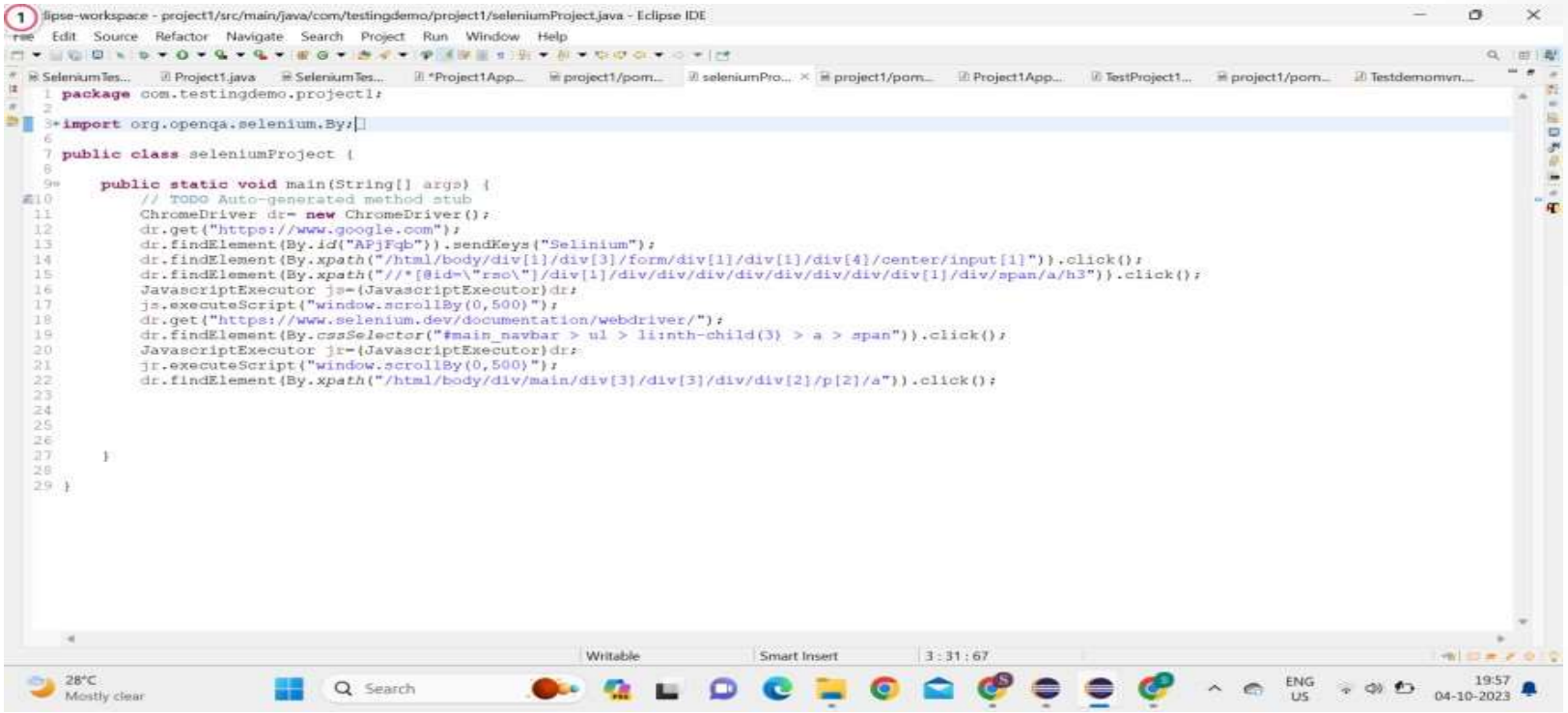
- Eclipse is open-source software, which means that it is freely available foranyone to use and modify.
- It’s a software developers to create, debug, and maintain software applications.

eclipse

SELENIUM :

- Selenium is an open-source, automated testing tool used to test web applications across multiple browsers.
- Selenium can be used to automate functional tests.
- Selenium supports automation across different browsers, platforms andprogramming languages.
- Integrated with Automation test tools such as Maven,jenkins & docker.

SOURCE CODE:


lipse-workspace - project1/src/main/java/com/testingdemo/project1/seleniumProject.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
SeleniumTes... Project1.java SeleniumTes... *Project1App... project1/pom... seleniumPro... project1/pom... Project1App... TestProject1... project1/pom... Testdemomvn...
1 package com.testingdemo.project1;
2
3 import org.openqa.selenium.By;
4
5
6
7 public class seleniumProject {
8
9 public static void main(String[] args) {
10 // TODO Auto-generated method stub
11 ChromeDriver dr= new ChromeDriver();
12 dr.get("https://www.google.com");
13 dr.findElement(By.id("APjFqb")).sendKeys("Selinium");
14 dr.findElement(By.xpath("/html/body/div[1]/div[3]/form/div[1]/div[1]/div[4]/center/input[1]")).click();
15 dr.findElement(By.xpath("//*[@id=\"rso\"]/div[1]/div/div/div/div/div/div/div/div[1]/div/span/a/h3")).click();
16 JavascriptExecutor js=(JavascriptExecutor)dr;
17 js.executeScript("window.scrollBy(0,500)");
18 dr.get("https://www.selenium.dev/documentation/webdriver/");
19 dr.findElement(By.cssSelector("#main_navbar > ul > li:nth-child(3) > a > span")).click();
20 JavascriptExecutor jr=(JavascriptExecutor)dr;
21 jr.executeScript("window.scrollBy(0,500)");
22 dr.findElement(By.xpath("/html/body/div/main/div[3]/div[3]/div/div[2]/p[2]/a")).click();
23
24
25
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27 }
28
29 }
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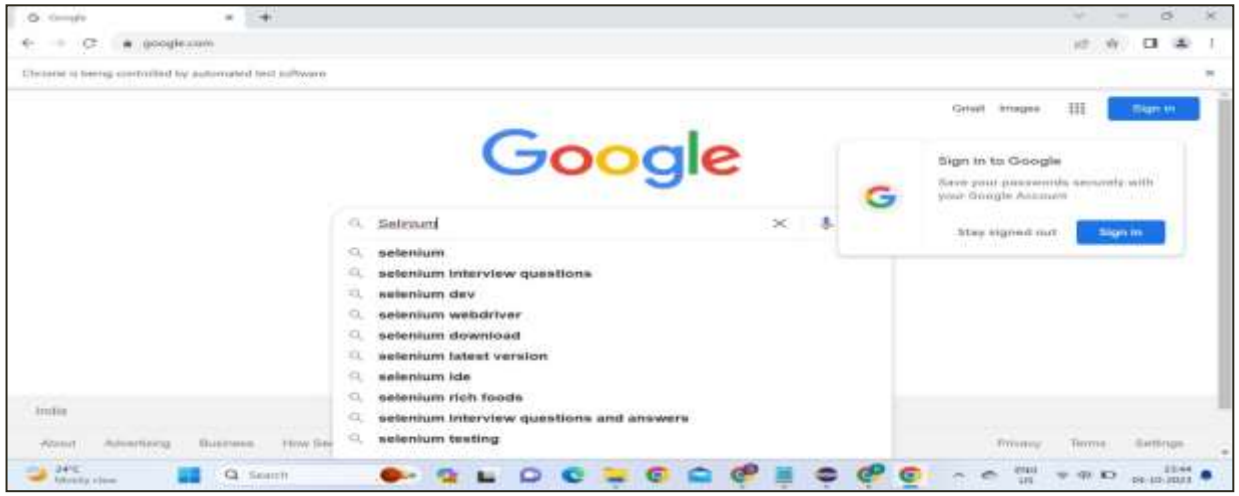
OUTPUT: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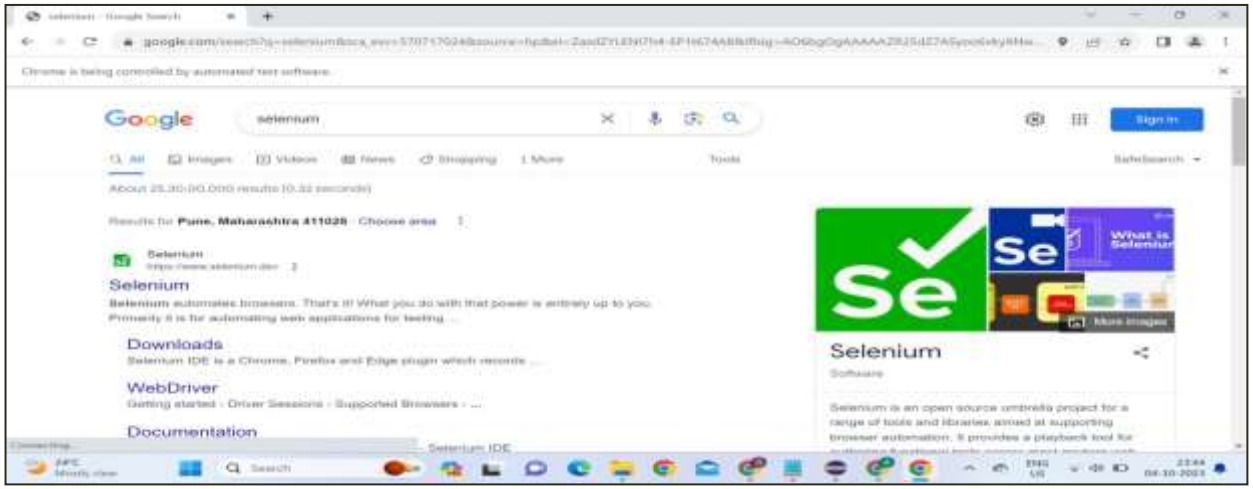
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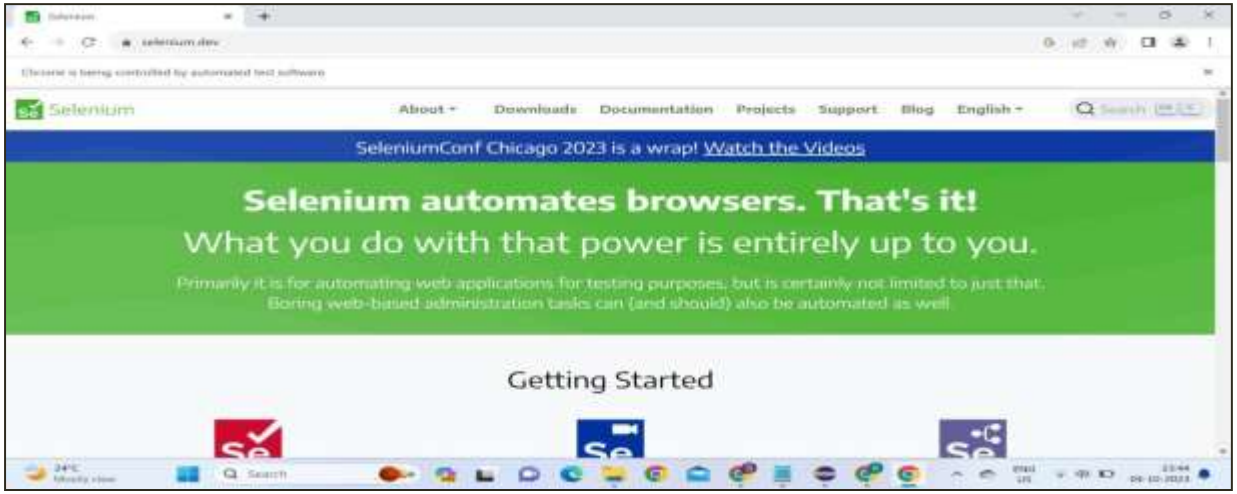
Selenium

OUTPUT:


Selenium
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SeleniumConf Chicago 2023 is a wrap! Watch the Videos
Selenium automates browsers. That's it!
What you do with that power is entirely up to you.
Primarily it is for automating web applications for testing purposes, but is certainly not limited to just that.
Boring web-based administration tasks can (and should) also be automated as well.
Getting Started


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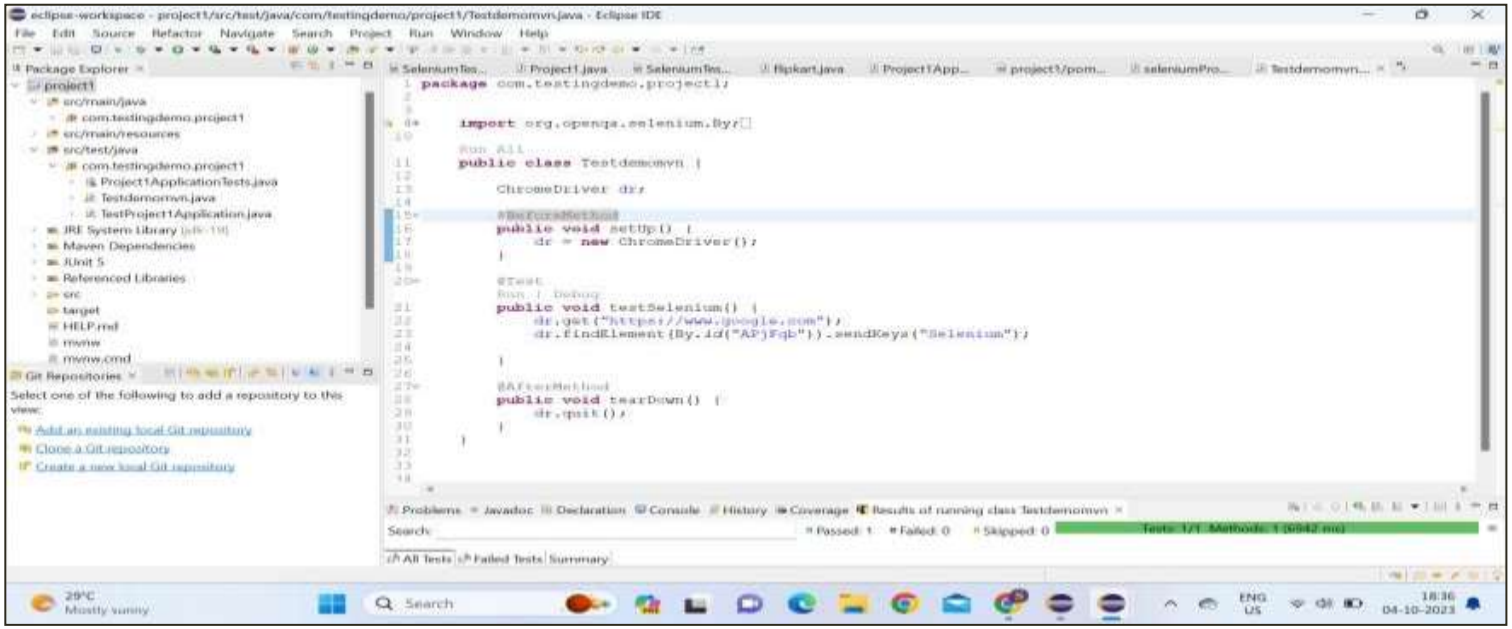
Below is where you can find the latest releases of all the Selenium components.
You can also find a list of previous releases, source code, and additional information for Maven users.
Selenium Clients and WebDriver Language Bindings

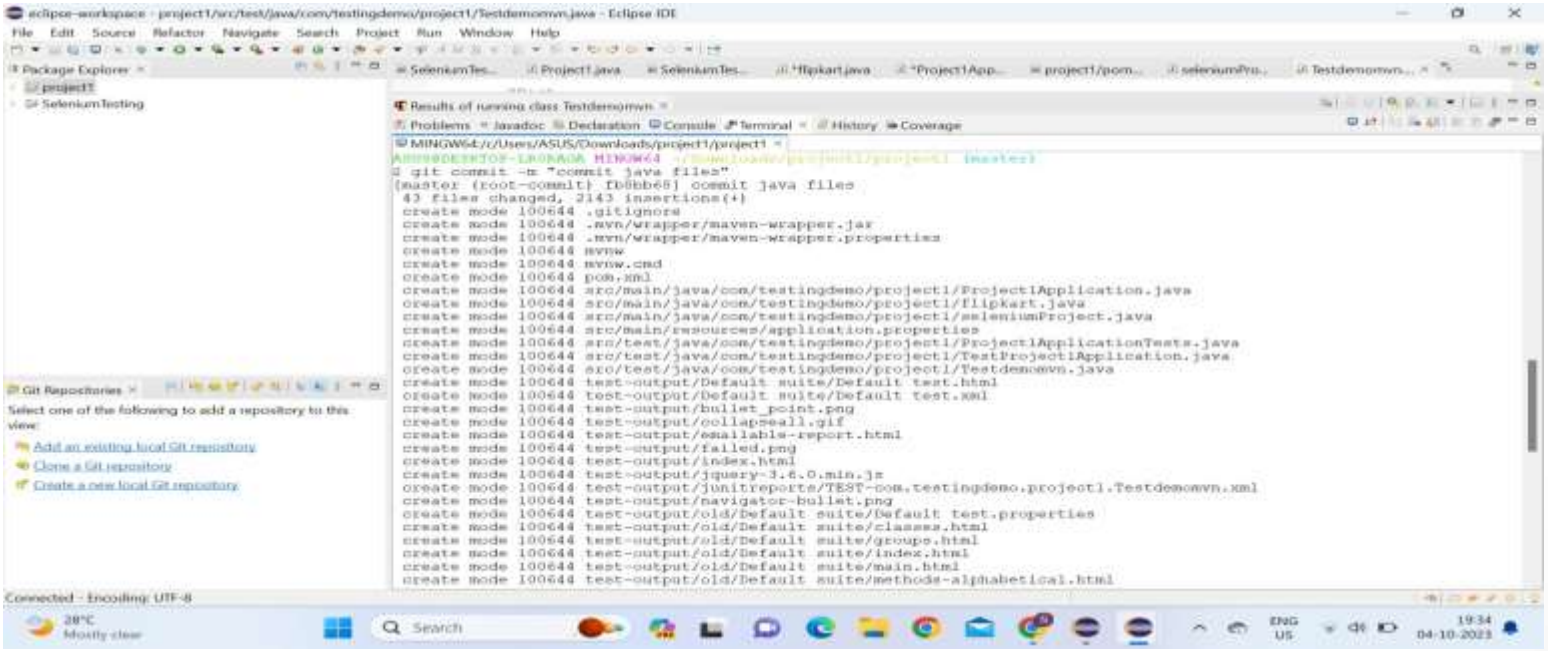
TESTNG RESULTS:

TestNG is one of the most widely used open source testing frameworkused in automation testing suite.



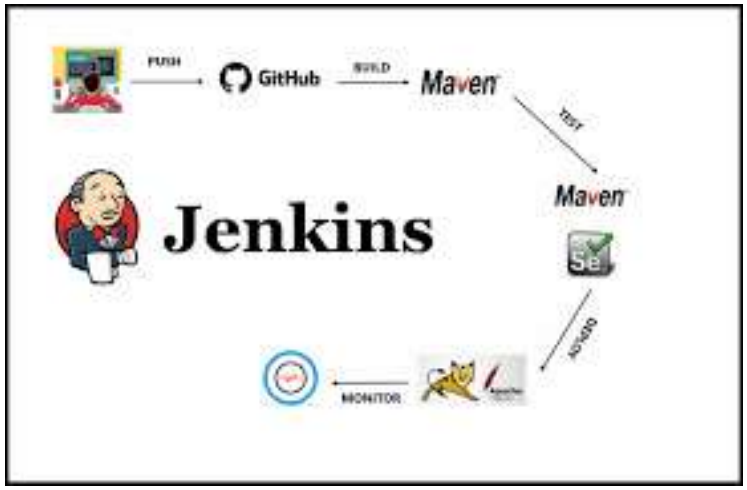
GITHUB:

- Tracking code changes
- Tracking who made changes
- Coding collaboration
- After Successfully Execution of code we need to push the code into the github.

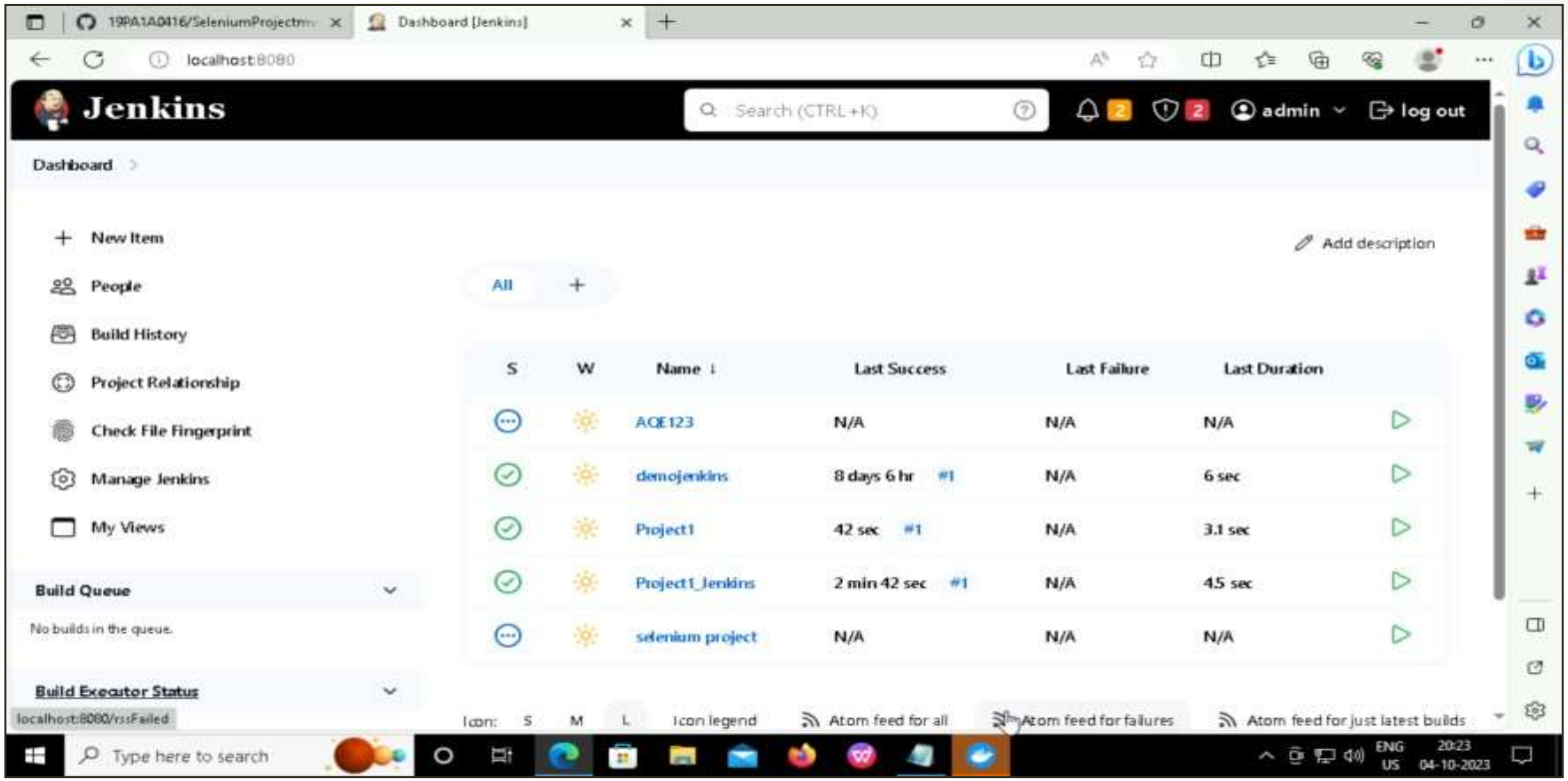


JENKINS:

- Jenkins is an open-source automation tool written in Java with plugins builtfor continuous integration. Jenkins is used to build and test your software projects continuously making it easier for developers to integrate changes to the project, and making it easier for users to obtain a fresh build.



OUTPUT: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localhost:8080
Jenkins
Search (CTRL+K)
admin
log out
Dashboard
New Item
People
Build History
Project Relationship
Check File Fingerprint
Manage Jenkins
My Views
Build Queue
No builds in the queue.
Build Executor Status
Add description
All
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Name
Last Success
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Project1_Jenkins 2 min 42 sec #1 N/A 45 sec
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