Topics – Selenium with Java – Nov 2022/Jan 2023 session

* Core Java / Programming
* Eclipse IDE
* WebDriver Interface
* Browser & Navigation Commands
* WebElement Commands
* Locators
* Element Identification
* Tables, Checkboxes & Radio buttons:
* Selenium Waits, Alert & Switch Windows
* Action Class
* Browser Profile
* TestNG Framework
* Allure Report
* Extent Report
* Automation Framework
* Selenium Hybrid Framework (POM)
* How to create project JARs
* Dev Ops & Continuous Integration
* Docker
* AWS – Amazon Web Services
* Agile / Scrum

**Selenium**

Selenium - Open Source(free of cost)

2007 – IDE -Firefox Extension – record and playback tool

2008 – RC -Selenium 1

#WebDriver

2011- Selenium 1 + WebDriver = Selenium 2

2013- Selenium RC was deprecated

2015 -Selenium 3 – JSON wire protocol

2021- Selenium 4 – W3C – 4.7.x

Selenium GRID – Parallel execution of test cases on different browsers.

Supported browsers-

Chrome, Firefox, Edge, Opera, Safari, IE11

Supported Operating Systems-

Windows, Mac and Linux

Supported Languages

Java, C#, Python, Ruby, JavaScript, PERL, PHP

Selenium automates web application

Selenium can’t automate-

* Desktop based applications like Paint, Notepad, Eclipse, GotoMeeting
* Games
* Graphs, Pie charts
* Google Maps – Canvas based/Single UI Layer
* File Upload pop up
* Captcha