# **Selenium Topics**

* What is Selenium
* Why Selenium? / Advantages
* What are its versions?
* What all OS, Browsers, and Programming Languages does it Support?
* Java-Selenium Architecture
* Selenium vs Playwright vs Cypress
* WebDriver Architecture, Selenium IDE, Selenium Grid 3x, 4
* Basic Selenium Program to Open and close Browser
* Runtime Polymorphism Program in Selenium WebDriver abstract methods
* Locators XPath, its Types and cases.
* Handling Multiple Elements
* Handling Synchronization issue by using implicitly Wait and Explicit Wait
* Handling Dropdown (static and dynamic)
* Handling Keyboard and Mouse Actions
* Taking Screenshot, Handling Disabled Element , Performing Scroll down
* Action Web Element Interface Methods, Handling Popups (web-based and Window-based), Shadow DOM, SVG, Web tables
* Handling Frames and Handling New Windows/New Tabs
* Custom Automation Framework
* New Selenium 4.x+
* Cloud Testing - BrowserStack Demo