

## **Selenium with Cucumber**

1. Introduction to Selenium and Cucumber
  - Introduction to Automated Testing:
  - What is automated testing?
  - Advantages of automated testing.
  - Introduction to Selenium and Cucumber.
2. Understanding Selenium WebDriver:
  - What is Selenium WebDriver?
  - Installation and setup of Selenium WebDriver.
  - Writing your first Selenium WebDriver script.
  - Locating Elements with Selenium WebDriver:
  - Locating elements by ID, name, class name, XPath, CSS selectors, etc.
  - Best practices for element locators.
3. Introduction to Cucumber:
  - What is Cucumber?
  - Gherkin language syntax.
  - Installation and setup of Cucumber.
4. Writing Feature Files:
  - Creating feature files.
  - Writing scenarios using Gherkin syntax.
  - Tags and Data Tables in feature files.
5. Introduction to Step Definitions:
  - Mapping Gherkin steps to step definitions.
  - Writing step definition files.
  - Parameterization of step definitions.
6. Working with Different Browser Profiles:
  - Introduction to browser profiles.
  - Handling multiple browser instances.
  - Managing cookies and sessions.
  - Handling Dynamic Elements:
7. **Techniques for handling dynamic elements.**
  - Implicit and explicit waits.

- Handling AJAX calls.
- Advanced Interactions with Selenium WebDriver:
- Mouse and keyboard actions.
- Drag and drop operations.
- Handling pop-ups and alerts.

#### **8. Cucumber Hooks:**

- Usage of @Before and @After hooks.
- Conditional hooks.