

Phase 5

Total classes : 10

Day 3 : 7 Feb 2024

Testing mainly divided into two types

Manual testing : in this type of testing user or developer need to interact with test case and test suite to do the testing.

Automation testing : tools helps us to do testing rather than manual.

Automation testing tools.

Selenium

SOAP UI

Post man

Mocha

Cucumber

Etc

Selenium is a type of open source automation UI or web application testing tools. This tools is platform independent, browser independent and language independent.

Lot of language support to write the code in Selenium tools.

Java code, Python Code, Asp.net, JavaScript , perl, etc.

Selenium IDE which help to do the testing without writing any code with any language.

This IDE we can download as .exe file as well as we can configure with browser. Selenium IDE support by chrome, firefox, edge, IE etc.

This tools is use to testing UI Component or web site develop in any language.

We can test html web page, spring boot web page, angular application or google, gmail etc.

Selenium is use to load the web page develop in any language and it provided lot of pre defined API to load the Web Page contents ie DOM.

Selenium doesn't provide any assert methods.

We need to configure Selenium with testing tool as junit or test ng. these tools provided set of assert method which help to check expectation and actual object.

Selenium with Test NG is good combination.

First Selenium program using Java code to load the web page.

Using Java program we need to open the web page. Generally web page open on browser.

To open the browser using java or through java we need browser driver.

Using WebDriver is a pre defined interface and that interface implementation is type of class like

ChromeDriver, EdgeDriver , etc.

Selenium provided Pre defined API ie **WebElement** which help to get the reference of Dom tags or elements using different type of selector like name, class, id etc.

Driver reference contains findElement which takes By reference as parameter which provided lot of method to get the dom element value or reference.

