

# Pre-requirements:

- [Python Basics](#)
- Chrome Web Browser
- Internet Connection

# Documents:

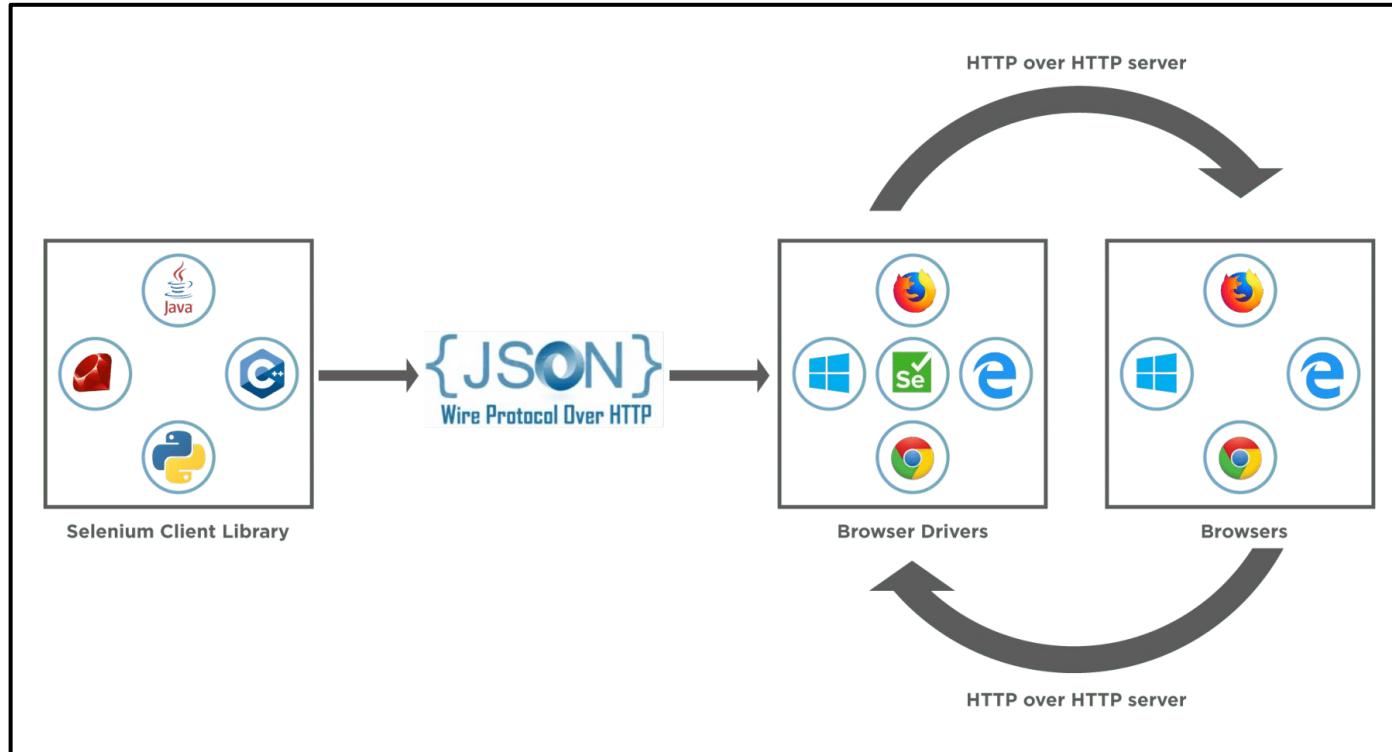
- [Selenium unofficial](#)

# Download links:

- [PYTHON](#)
- [PYCHARM](#)



# Selenium architecture



# Navigation:

```
driver.get("{website_url}")
```

# Locators (to locate the web element):

- ID = "id"
- XPATH = "xpath"
- LINK\_TEXT = "link text"
- PARTIAL\_LINK\_TEXT = "partial link text"
- NAME = "name"
- TAG\_NAME = "tag name"
- CLASS\_NAME = "class name"
- CSS\_SELECTOR = "css selector"

# Common Actions:

- .send\_keys() = to enter input value in a blank
- .click() = to give click command
- .clear() = to clear the input field
- .text = to copy the text



# CSS Selector Locator

FROM	SYNTAX
Class, Attribute & Value	tagname.classvalue[attribute = 'value']
Attribute & Value	tagname[attribute = 'value']
ID	tagname#IDvalue
Class	tagname.classvalue

Note: Tagname is optional



# XPATH Locator 1

FROM	SYNTAX
Attribute & Value	//tagname[@attribute = 'value']
2 Attributes & Values	//tagname[@attribute1 = 'value1' <b>and/or</b> @attribute2 = 'value2']
Text	//tagname[text() = 'type text here']
Starts with	//tagname[ <b>starts-with</b> (@attribute,'starting values')]
contains	//tagname[ <b>contains</b> (@attribute,'value')]
Starts with and contains	//tagname[ <b>starts-with</b> (@attribute1,'starting values') <b>and/or</b> <b>contains</b> (@attribute2,'value')]
Partial Text	//tagname[ <b>contains</b> / <b>starts-with</b> (text(), 'partial text here')]

Use \* if don't want to use specific tagname or attribute.



# XPATH Locator 2

FROM	SYNTAX
Parents to any child or grandchild	//tagname[@attribute = 'value']//tagname[@attribute = 'value']
Parents to specific no. of child or grandchild	(//tagname[@attribute = 'value']//tagname)[number]
Parents to last child or grandchild	(//tagname[@attribute = 'value']//tagname)[last()]
Parents to 3rd last child or grandchild	(//tagname[@attribute = 'value']//tagname)[last()-2]
Child to any ancestor	//tagname[@attribute = 'value']/ancestor::tagname[@attribute = 'value']
Parent to first n number of child	(//tagname[@attribute = 'value']//tagname)[position() >,<,= number]

/ means absolute, // means relative.



# Framework

A framework is a structure that we use to build project. It acts as a foundation so we don't have to deal with creating unnecessary extra logic from scratch.

A framework is similar to a template in that we can modify it and add certain features and higher functionalities to create a complex and broad project that many people can use.

## Pytest Document



# PYTHON SELENIUM with PYTEST

( HINDI 2023 )

#16 - PYTEST FRAMEWORK  
BASICS (PART-1)

