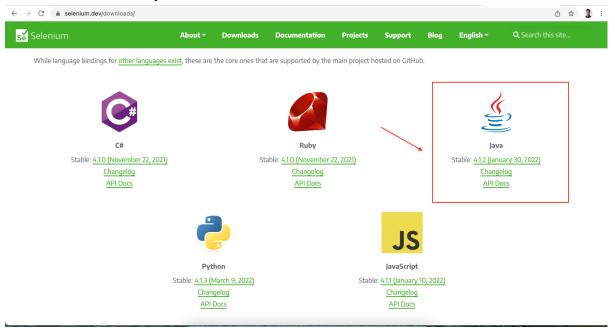


- The SearchContext is a topmost interface present in the Selenium WebDriver hierarchy. It has two abstract methods which are the findElement() and findElements().
- Webdriver Interface extends the Search Context, it has many useful and required methods like **get()**, **getTitle()**, **close()**, **quit()**, **switchTo()**, etc.
- Remote Webdriver class implements the Webdriver Interface and executes test scripts through the RemoteWebDriver server on a remote machine.
- Browser classes (FirefoxDriver, ChromeDriver..) extends the Remote Webdriver Class which are used to handle the specific browser.

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## Prerequisite for automation testing

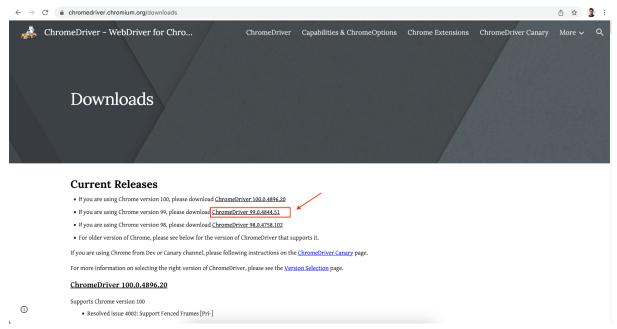
- 1. Download Selenium library
  - a. Go to browser and search for "download selenium jar file"
  - b. Click on first link "https://www.selenium.dev > downloads"
  - c. Click on java for selenium



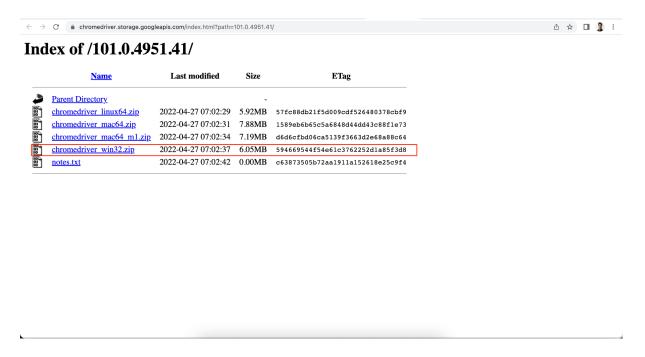
- 2. One zip file get downloaded saying "selenium-java-4.1.2.zip"
- 3. Export that zip file and you will get multiple jar files.
- 4. Import the jar files into eclipse project.
  - a. Right click on the project.
  - b. Click on "build path" option
  - c. Click on "configure build path" option
  - d. Select "libraries" option.
  - e. Click on "add external jar" option
  - f. Select all downloaded jar files which are inside "selenium-java-4.1.2.zip"
  - g. Click on apply and close.

## 5. Download Chromedriver.exe

- a. Go to the browser and search for "download chromedriver for selenium".
- b. Click on the first link "https://chromedriver.chromium.org > downloads".
- c. Check browser version and download the chromedriver file accordingly



6. Suppose the Chrome version is Version 99.0.4844.51 then download the chrome driver of the same version.



7. Download the chromedriver according to the Operating System, Suppose the Operating System is Windows then download chromedriver\_win32.zip file.

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## 

//<u>Upcasting</u> to call the <u>webdriver</u> specific methods

Thread.sleep(2000);

navigate method

driver.get("https://www.facebook.com/"); // to open the url using get method

driver.navigate().to("https://www.google.com/"); // to open the url by

// to increase the delay time