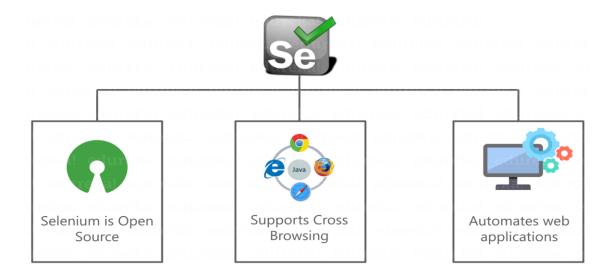
## **SELENIUM**

#### What is Selenium?

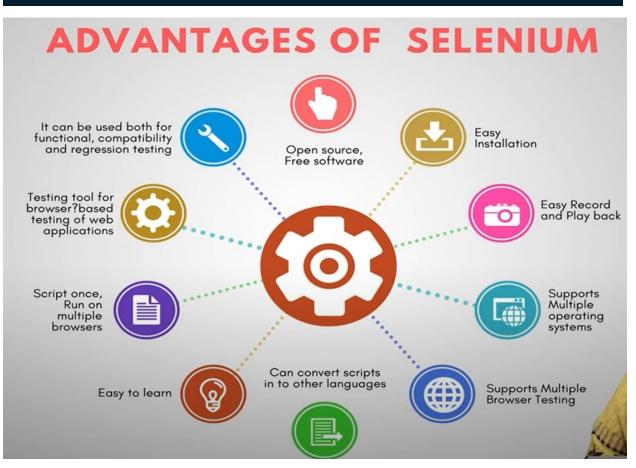
- Selenium is a powerful tool for controlling web browsers through programs and performing browser automation.
- It is functional for all browsers, works on all major OS and its scripts are written in various languages i.e. Python, Java, C#,etc,



Support Cross Browsing: Can work on Chrome, Mozilla fire fox,edge etc.

And is automates web application.

SELENIUM COMPATIBILITY							
Languages	Platforms	Browsers					
Java C# PHP Ruby Perl Python JavaScript Objective-C Haskell R	Windows Linux Mac Android (with Selendroid, Appium, or Robotium) iOS (with ios-driver or Appium)	Google Chrome Internet Explorer Firefox Safari Opera Microsoft Edge HtmlUnitDriver					
		altexsoft software r&d engineering					



Selenium can easily send standard commands of python to various browsersirrespective of all variations in the design of the browser.

# Py Selenium







#### Why Choose Selenium?

- Open Source and Portable
- Combination of tools and DSL(Domain Specific Language)
- Easier to understand and implement
- Less burden and stress for testers

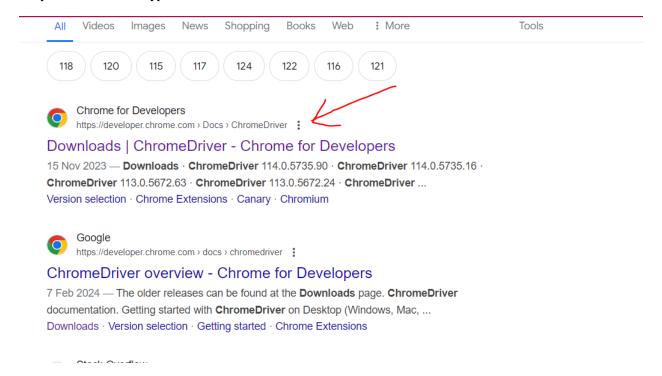
#### **Installation Of Selenium:**

#### Step 1: go to command prompt

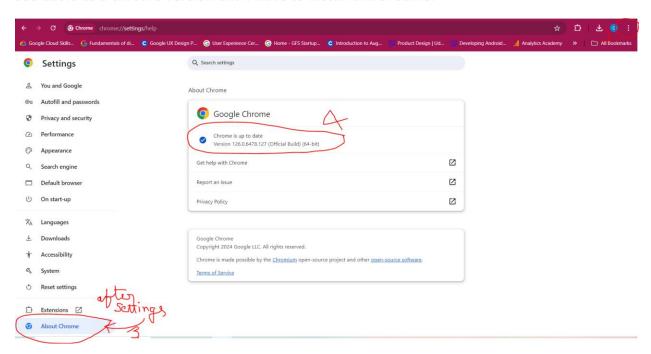
#### Type -> pip install 4.0.0.b4

#### **Download Chrome driver:**

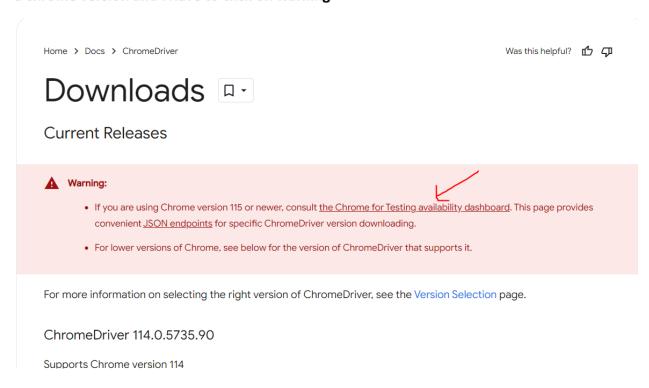
Step 1: in browser type download chrome driver



Step 2: based on our chrome version we need to install, so click on 3 dots in right hand side of your chrome -> go to settings -> About chrome -> then can see the version in my case, I could see 126.0 as a chrome version and I have to install driver same.



Step 3: Go back to step 1 and after click on first link, you'll be in this page and in my case it is giving me warning, after reading warning we need to take the action in my case I have 126 as a chrome version and I have to click on warning



Step 4: Now I can see stable has 126.0 version so I am going to copy that link

# Chrome for Testing availability

This page lists the latest available cross-platform Chrome for Testing versions and assets per Chrome release Consult our JSON API endpoints if you're looking to build automated scripts based on Chrome for Testing re Last updated @ 2024-07-09T10:09:23.591Z

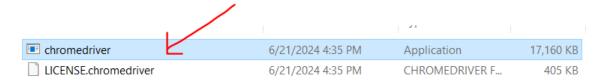
Channel	Version	Revision	Status	
<u>Stable</u>	126.0.6478.126	r1300313	<u> </u>	
<u>Beta</u>	127.0.6533.26	r1313161	<u> </u>	
<u>Dev</u>	128.0.6559.0	r1319638	<u> </u>	
<u>Canary</u>	128.0.6585.0	r1324454	<u> </u>	

### Copy link for the same, come down:

chrome	mac-arm64	https://storage.googleapis.com/chrome-for-testing-public/126.0.6478.126/mac-arm64/chrome-mac-arm64.zip	200
chrome	mac-x64	https://storage.googleapis.com/chrome-for-testing-public/126.0.6478.126/mac-x64/chrome-mac-x64.zip	
chrome	win32	https://storage.googleapis.com/chrome-for-testing-public/126.0.6478.126/win32/chrome-win32.zip	
chrome	win64	https://storage.googleapis.com/chrome-for-testing-public/126.0.6478.126/win64/chrome-win64.zip	200
chromedriver	linux64	https://storage.googleapis.com/chrome-for-testing-public/126.0.6478.126/linux64/chromedriver-linux64.zip	200
chromedriver	mac-arm64	https://storage.googleapis.com/chrome-for-testing-public/126.0.6478.126/mac-arm64/chromedriver-mac-arm64.zip	200
chromedriver	mac-x64	https://storage.googleapis.com/chrome-for-testing-public/126.0.6478.126/mac-x64/chromedriver-mac-x64.zip	200
chromedriver	win32	https://storage.googleapis.com/chrome-for-testing-public/126.0.6478.126/win32/chromedriver-win32.zip	200
chromedriver	win64	https://storage.googleapis.com/chrome-for-testing-public/126.0.6478.126/win64/chromedriver-win64.zip	200
chrome-headless-shell	linux64	https://storage.googleapis.com/chrome-for-testing-public/126.0.6478.126/linux64/chrome-headless-shell-linux64.zip	200
chrome-headless-shell	mac-arm64	https://storage.googleapis.com/chrome-for-testing-public/126.0.6478.126/mac-arm64/chrome-headless-shell-mac-arm64.zip	200
chrome-headless-shell	mac-x64	https://storage.googleapis.com/chrome-for-testing-public/126.0.6478.126/mac-x64/chrome-headless-shell-mac-x64.zip	200
chrome-headless-shell	win32	https://storage.googleapis.com/chrome-for-testing-public/126.0.6478.126/win32/chrome-headless-shell-win32.zip	200
chrome-headless-shell	win64	https://storage.googleapis.com/chrome-for-testing-public/126.0.6478.126/win64/chrome-headless-shell-win64.zip	200

And paste it in browser by opening new tab and it automatically starts downloading.

## Step 5: go to download folder and is zip file extract that and you can see folder for that extract click on that



#### And that will open prompt that says chrome driver was started successfully.

