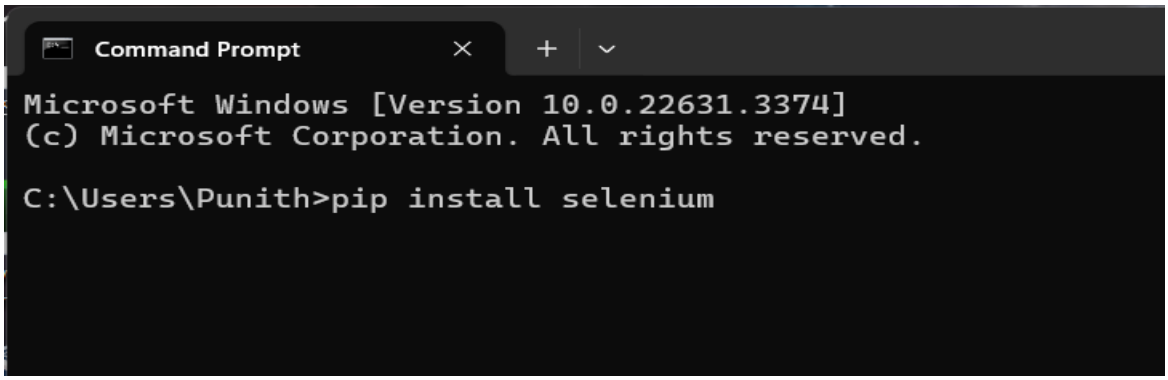
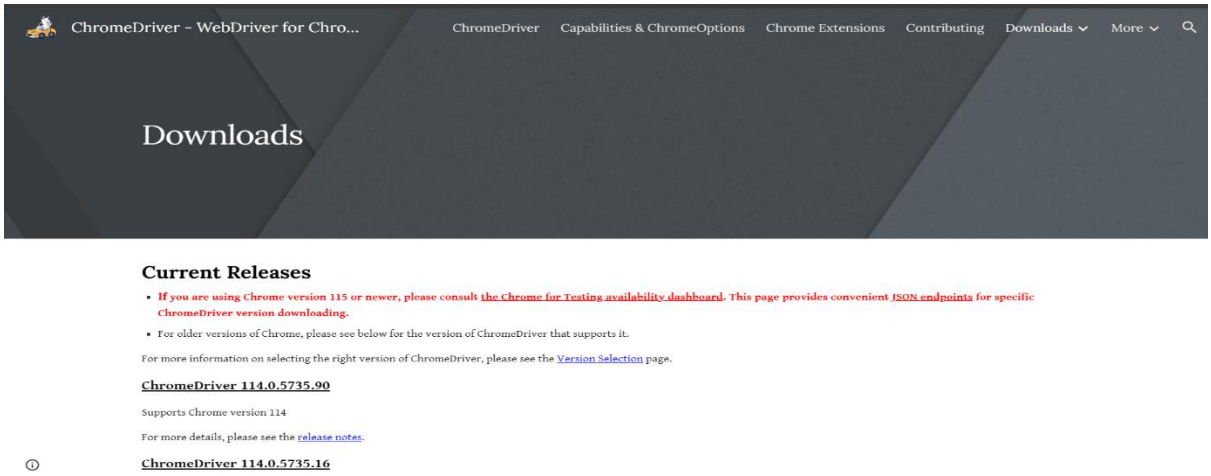
Create a Python-Selenium Script of performing a search on duckduckgo.com and going to the first search link

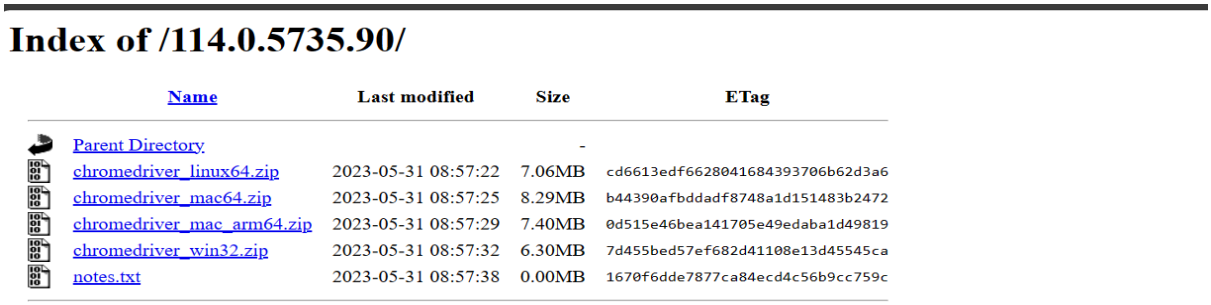
Install selenium by the following command.



After installing, download the Chromedriver. Make sure to use latest version.



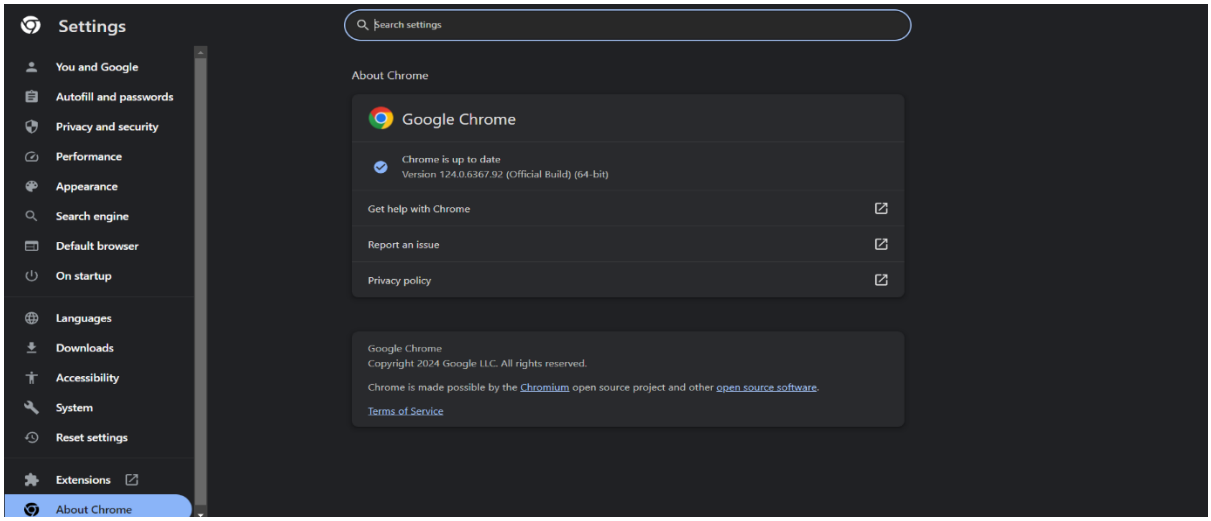
Download the win32.zip file for windows.



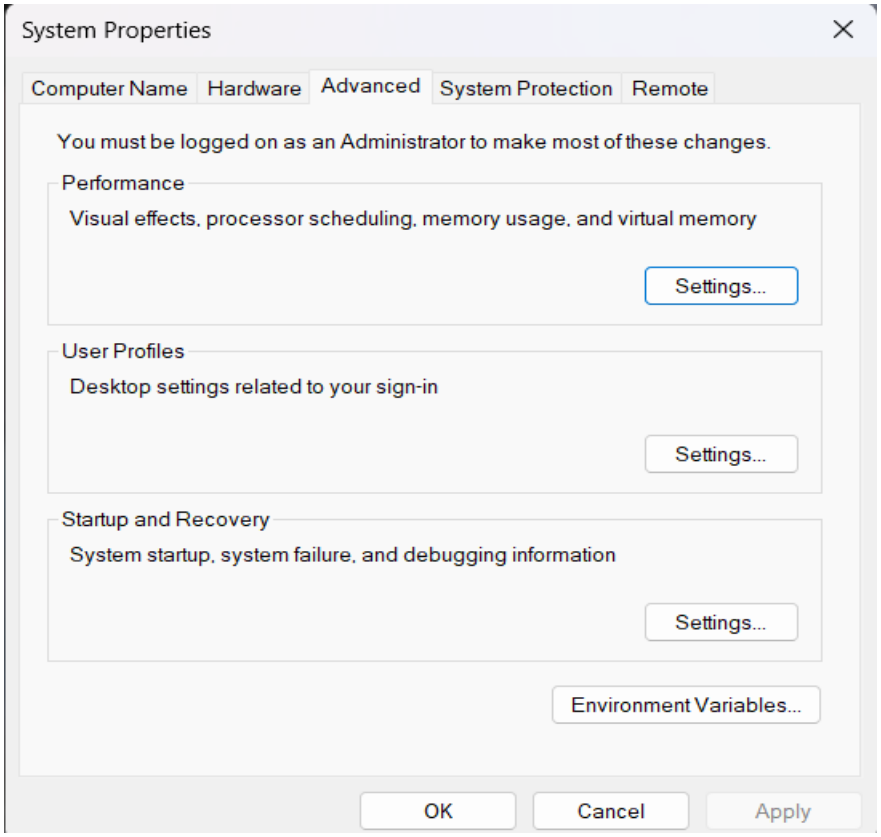
Index of /114.0.5735.90/

Name	Last modified	Size	ETag
Parent Directory		-	
chromedriver_linux64.zip	2023-05-31 08:57:22	7.06MB	cd6613edf66280416843937 06b62d3a6
chromedriver_mac64.zip	2023-05-31 08:57:25	8.29MB	b44390afbddadf8748a1d151483b2472
chromedriver_mac_arm64.zip	2023-05-31 08:57:29	7.40MB	0d515e46bea141705e49edaba1d49819
chromedriver_win32.zip	2023-05-31 08:57:32	6.30MB	7d455bed57ef682d41108e13d45545ca
notes.txt	2023-05-31 08:57:38	0.00MB	1670f6dde7877ca84ecd4c56b9cc759c

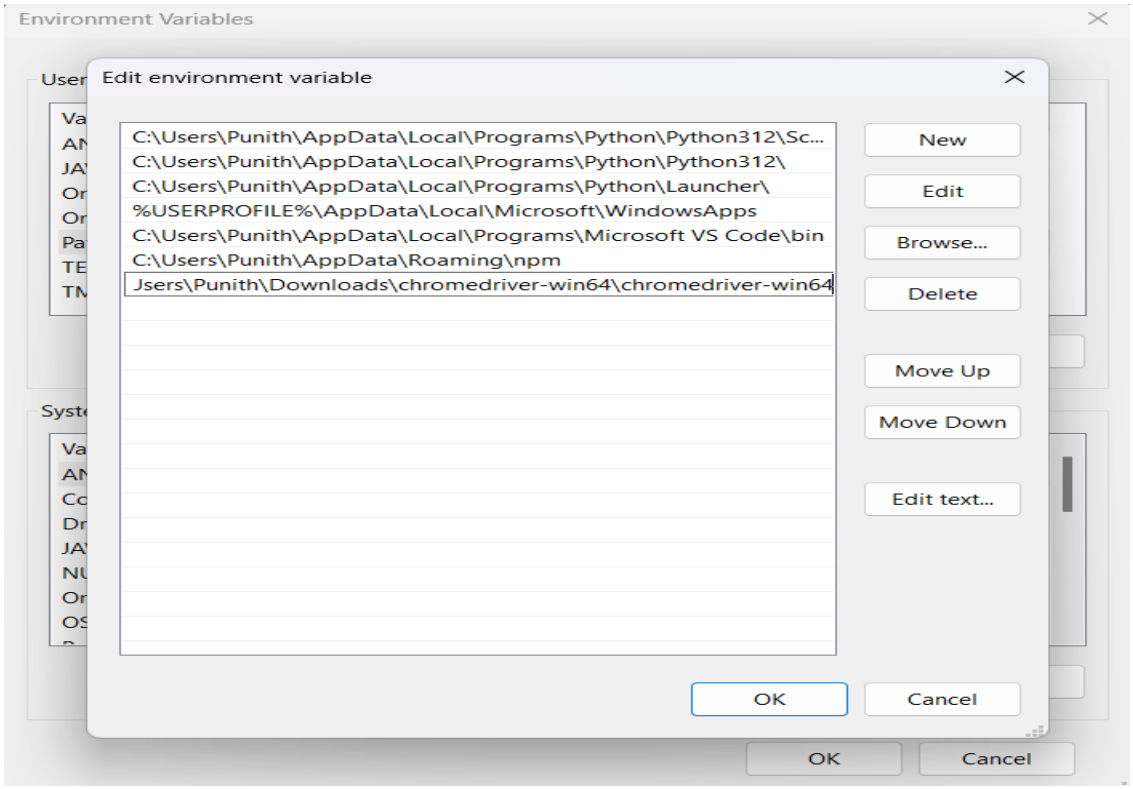
After downloading, go to chrome browser and update to latest version.



Go to Environment Variables .



Copy the path of the chromedriver and edit the environment variables and choose OK. Make sure to add in both user and system settings.

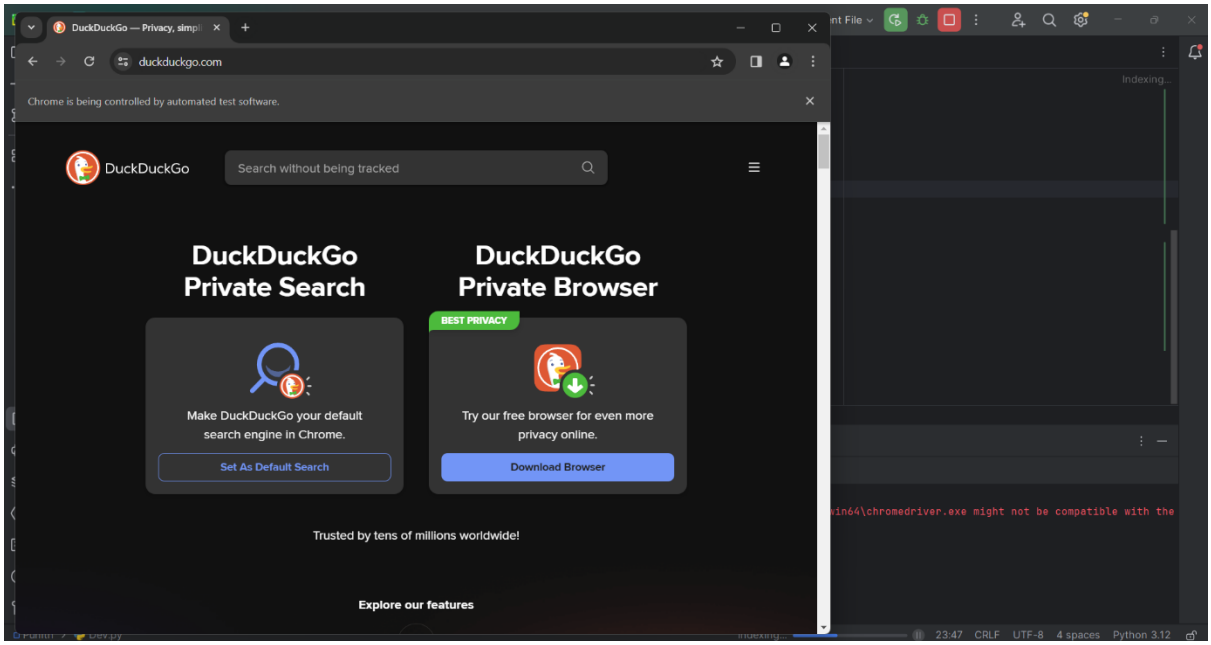


This is the python code with selenium. This code first navigates to duckduckgo.com and searches “What is DevOps” and clicks on the first page that appears on the browser. Run the file.

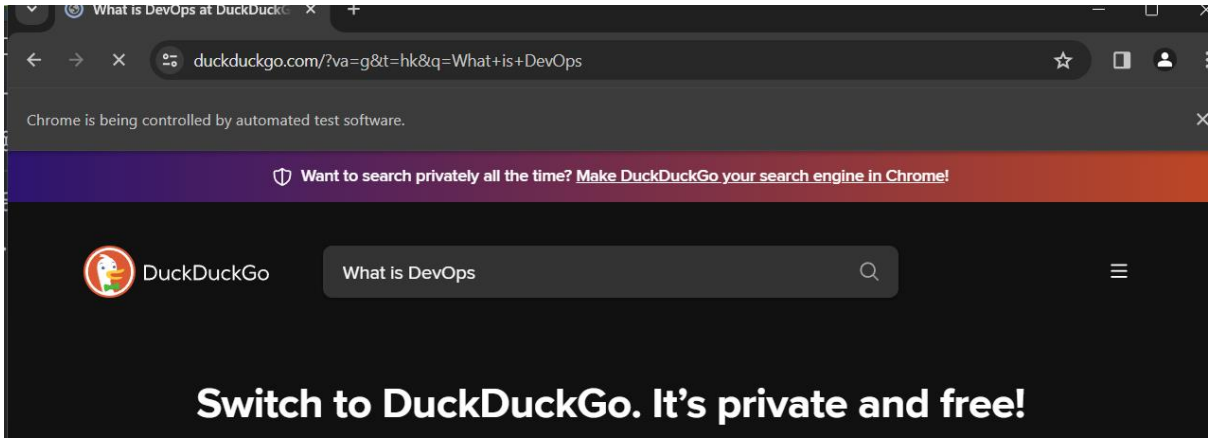
Dev.py

```python
from selenium import webdriver
from selenium.webdriver.common.keys import Keys
import time
from selenium.webdriver.common.by import By
# Initialize the WebDriver
driver = webdriver.Chrome()

# Open the webpage
driver.get("https://duckduckgo.com/")
time.sleep(5)

# Find the search box element by its ID
search_box = driver.find_element(By.ID, value: "searchbox_input")

search_query = "What is DevOps"
search_box.send_keys(search_query)


search_box.send_keys(Keys.RETURN)


time.sleep(5)
# Find the link element using its Css Selector
link_element = driver.find_element(By.CSS_SELECTOR, value: "a[data-testid='result-title-a']")

# Click the link element
link_element.click()
time.sleep(5)
# Close the WebDriver
driver.quit()
```

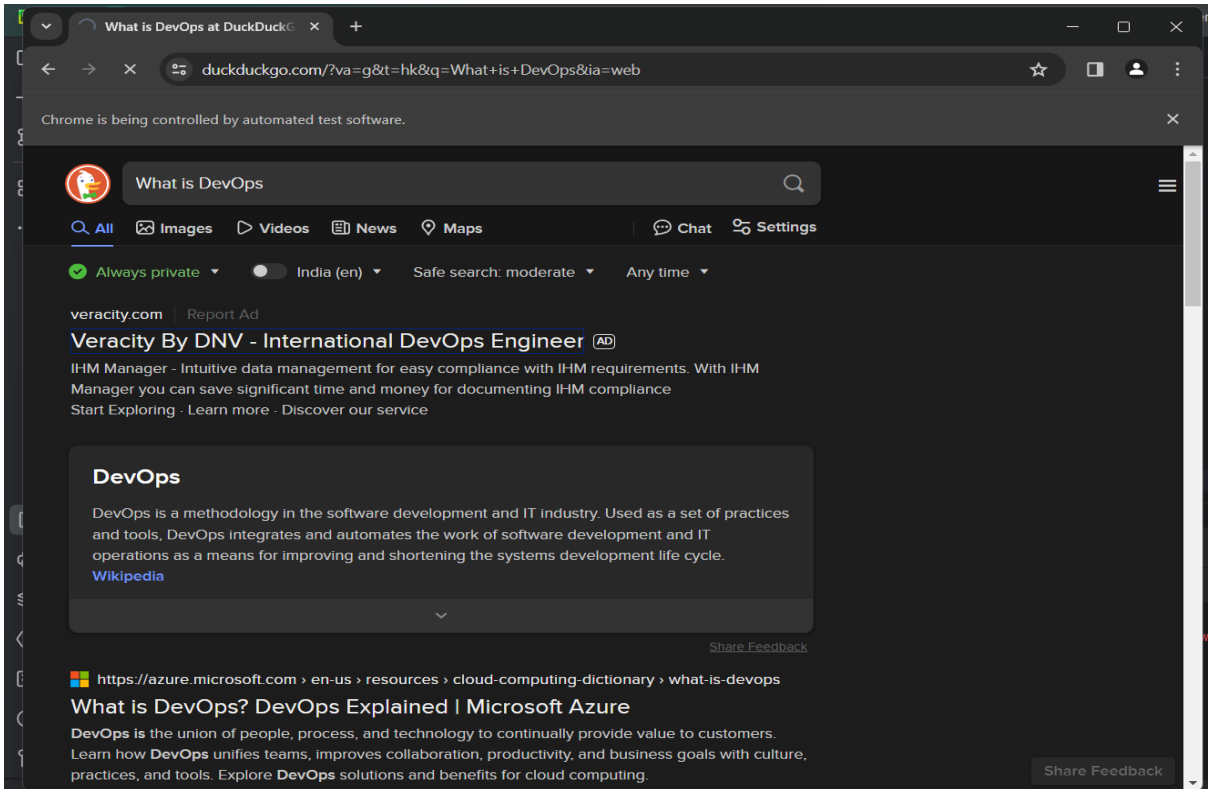
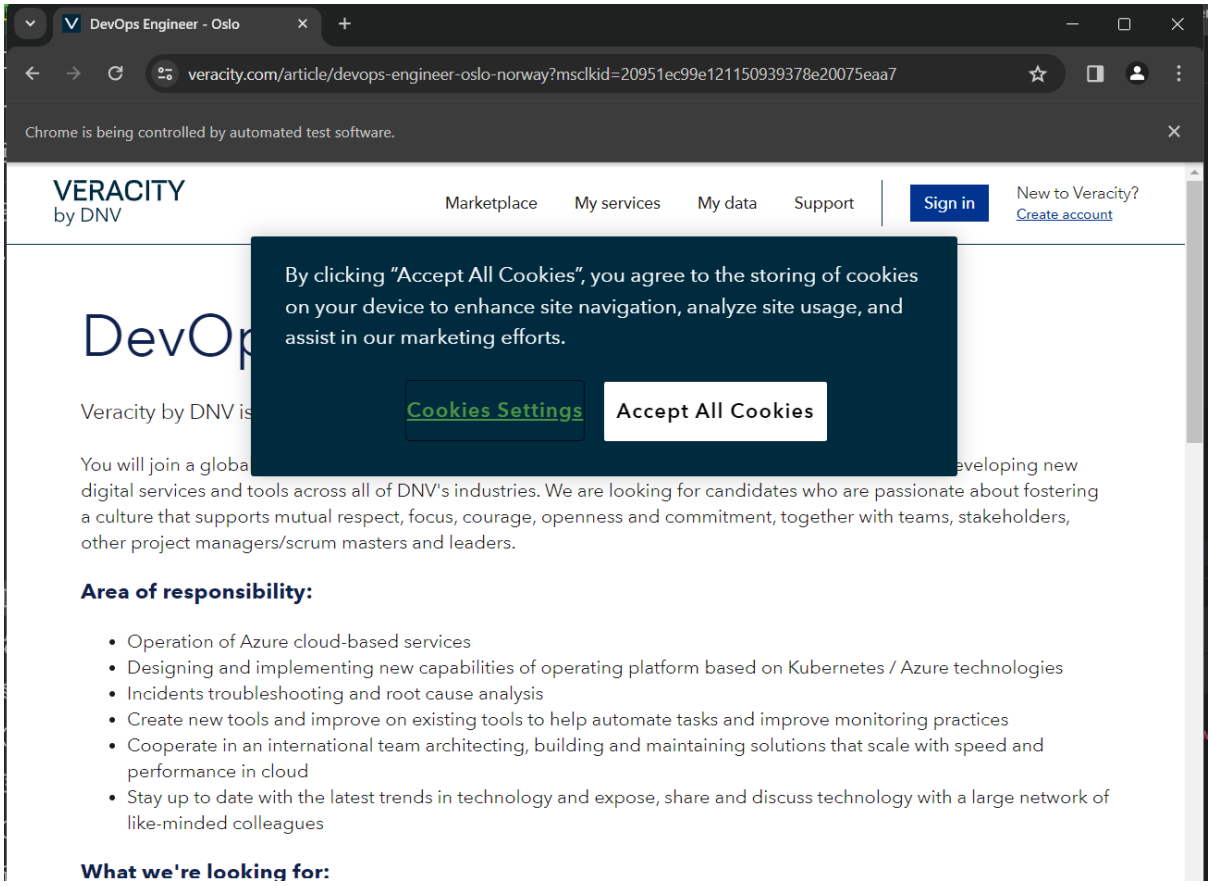
First it opens the duckduckgo.com and waits for 5seconds.



Enters the text in the searchbar.



After searching for “What is DevOps”, then it again waits for 5seconds and clicks on the first page that appears.



This is the first page that came and it explains about DevOps.