

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.

```
Command Prompt
Microsoft Windows [Version 10.0.22631.3374]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Punith>pip install selenium
```

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

ChromeDriver - WebDriver for Chrome

Downloads

### Current Releases

- If you are using Chrome version 115 or newer, please consult [the Chrome for Testing availability dashboard](#). This page provides convenient [JSON endpoints](#) for specific ChromeDriver version downloading.
- For older versions of Chrome, please see below for the version of ChromeDriver that supports it.

For more information on selecting the right version of ChromeDriver, please see the [Version Selection](#) page.






**ChromeDriver 114.0.5735.90**

Supports Chrome version 114

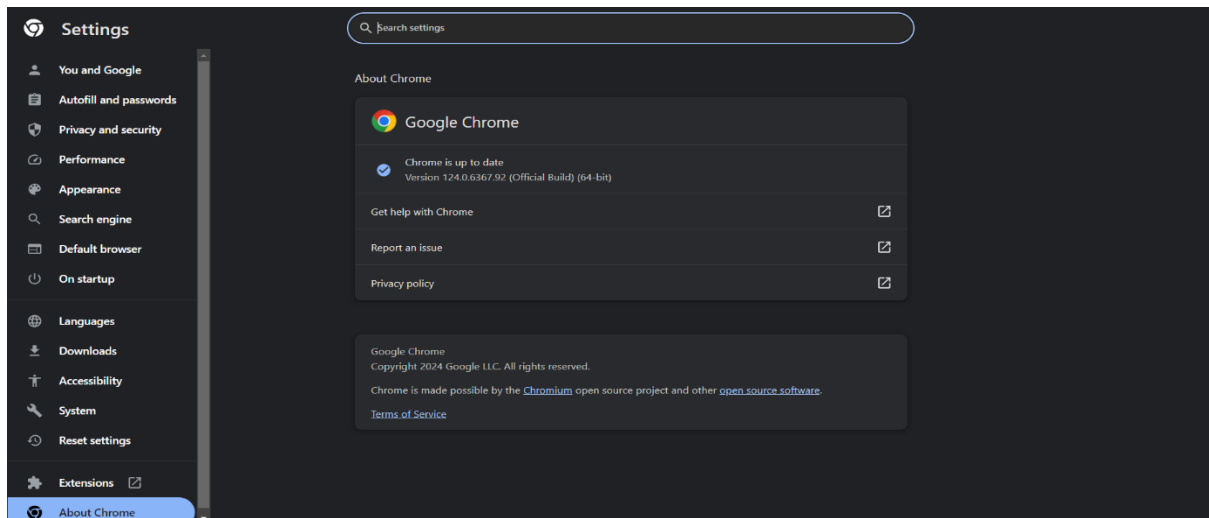
For more details, please see the [release notes](#).

**ChromeDriver 114.0.5735.16**

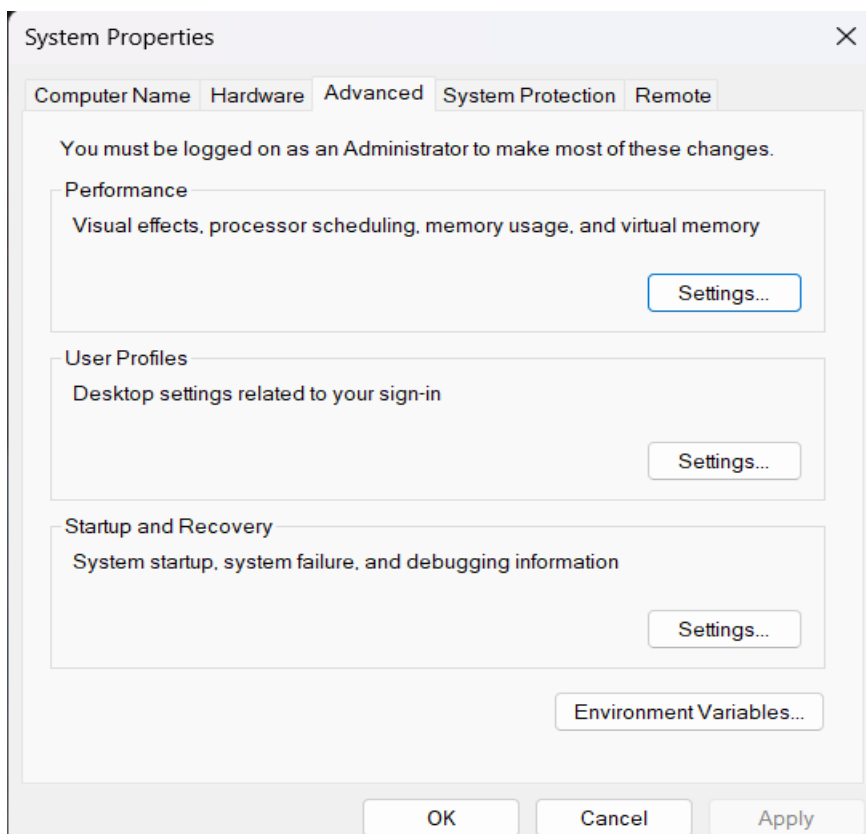
Download the win32.zip file for windows.

Index of /114.0.5735.90/				
	Name	Last modified	Size	ETag
	<a href="#">Parent Directory</a>		-	
	<a href="#">chromedriver_linux64.zip</a>	2023-05-31 08:57:22	7.06MB	cd6613edf6628041684393706b62d3a6
	<a href="#">chromedriver_mac64.zip</a>	2023-05-31 08:57:25	8.29MB	b44390afbdddadf8748a1d151483b2472
	<a href="#">chromedriver_mac_arm64.zip</a>	2023-05-31 08:57:29	7.40MB	0d515e46bea141705e49edaba1d49819
	<a href="#">chromedriver_win32.zip</a>	2023-05-31 08:57:32	6.30MB	7d455bed57ef682d41108e13d45545ca
	<a href="#">notes.txt</a>	2023-05-31 08:57:38	0.00MB	1670f6dde7877ca84ecd4c56b9cc759c

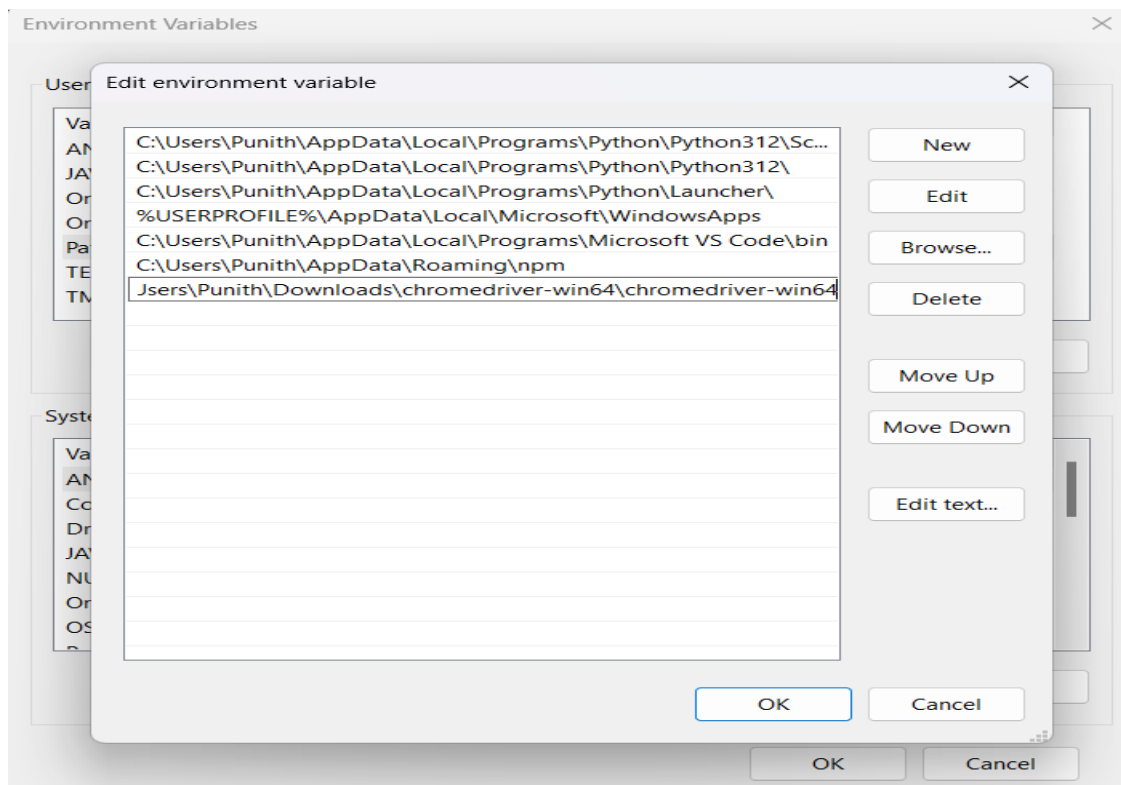
After downloading, go to chrome browser and update to latest version.



Go to Environment Variables .



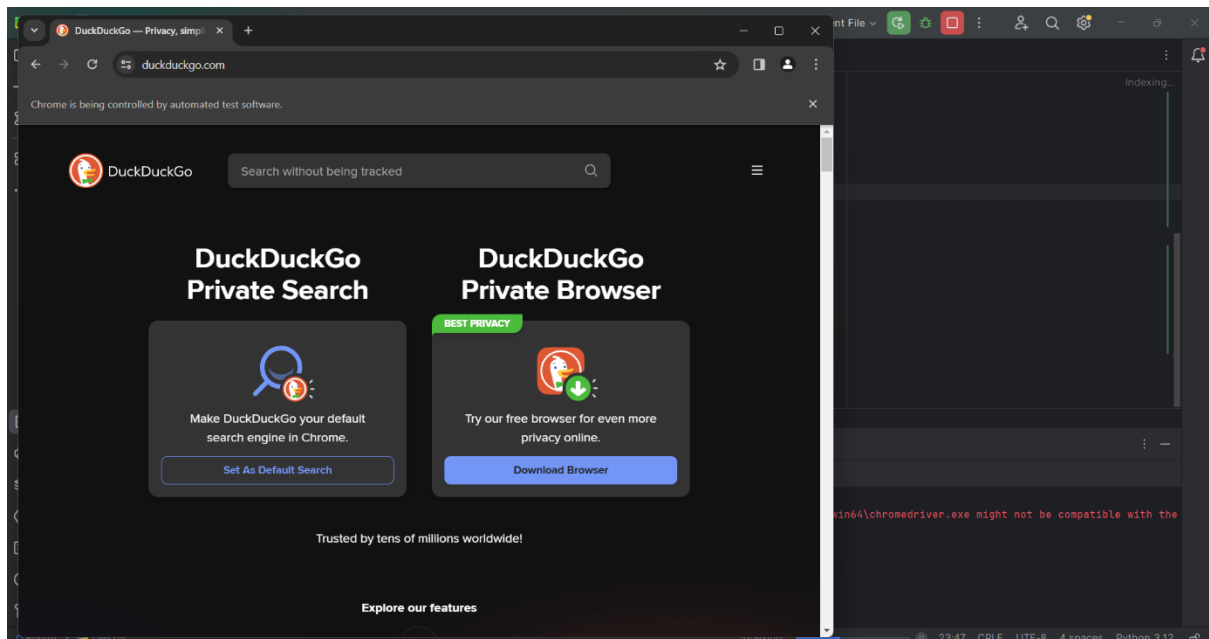
Copy the path of the chromedriver and edit the environment variables and choose OK. Make sure to add in both user and system settings.



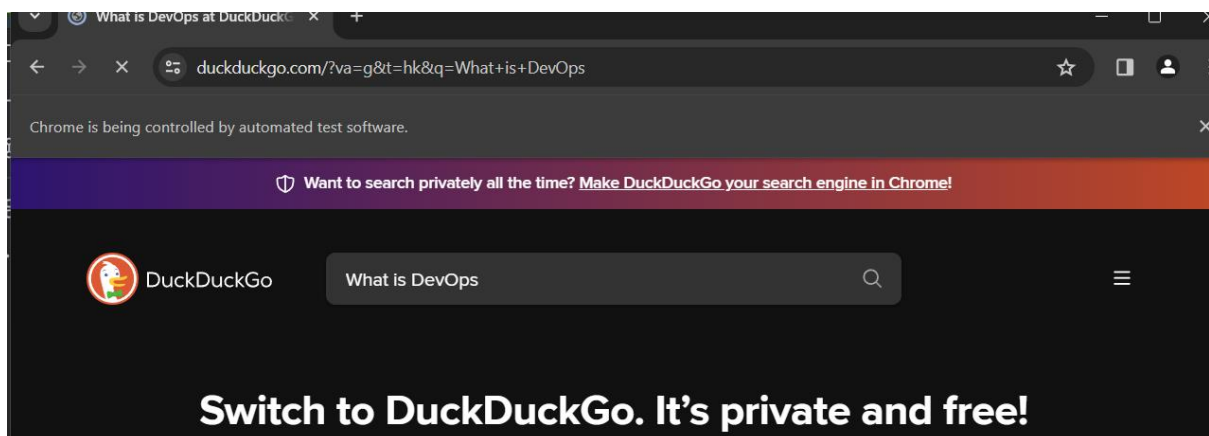
This is the python code with selenium. This code first navigates to duckduckgo.com and searches “What is DevOps” and clicks on the first page that appears on the browser. Run the file.

```
1 from selenium import webdriver
2 from selenium.webdriver.common.keys import Keys
3 import time
4 from selenium.webdriver.common.by import By
5 # Initialize the WebDriver
6 driver = webdriver.Chrome()
7
8 # Open the webpage
9 driver.get("https://duckduckgo.com/")
10 time.sleep(5)
11
12 # Find the search box element by its ID
13 search_box = driver.find_element(By.ID, value: "searchbox_input")
14
15 search_query = "What is DevOps"
16 search_box.send_keys(search_query)
17
18
19 search_box.send_keys(Keys.RETURN)
20
21
22 time.sleep(5)
23 # Find the link element using its Css Selector
24 link_element = driver.find_element(By.CSS_SELECTOR, value: "a[data-testid='result-title-a']")
25
26 # Click the link element
27 link_element.click()
28 time.sleep(5)
29 # Close the WebDriver
30 driver.quit()
```

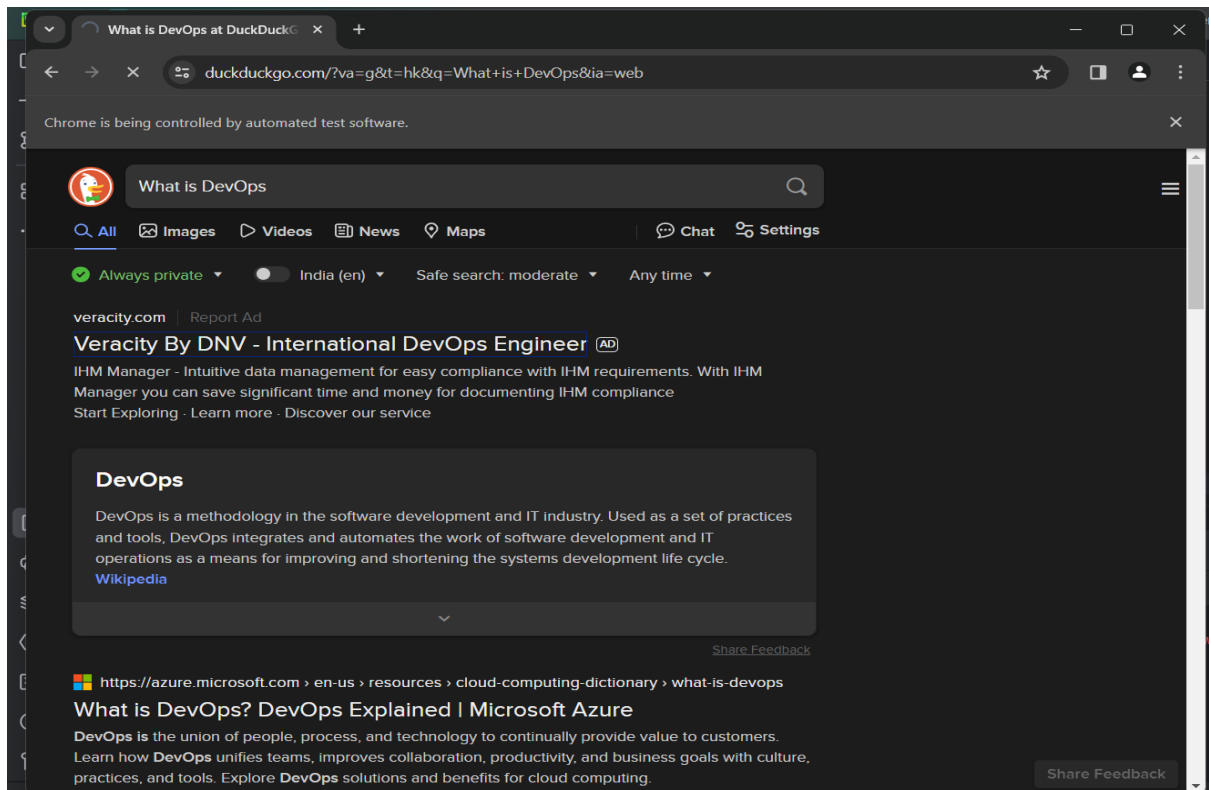
First it opens the duckduckgo.com and waits for 5seconds.



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.

