

# Python to automate chrome browser using Selenium

By Deepak Lohia

# Automation Requirements

## Programs to be installed

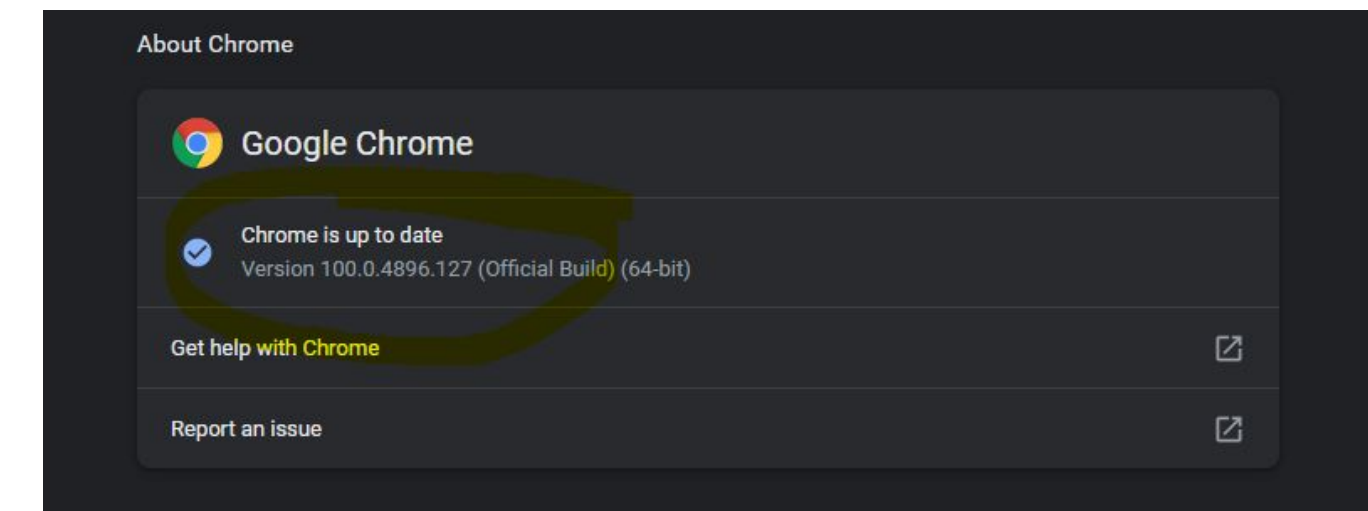
- Website for login (any website you want to automate)
- Python 3.7 and above - <https://www.python.org/downloads/>
- Visual Studio Code ( to run script) - <https://code.visualstudio.com>

Before running Python Script

# Download Chrome Driver

1. Check your Google chrome browser version

**Chrome Browser > Settings > Help > About Chrome**



2. Download the same version of chrome driver and place in C:\temp folder

**<https://chromedriver.chromium.org/home>**

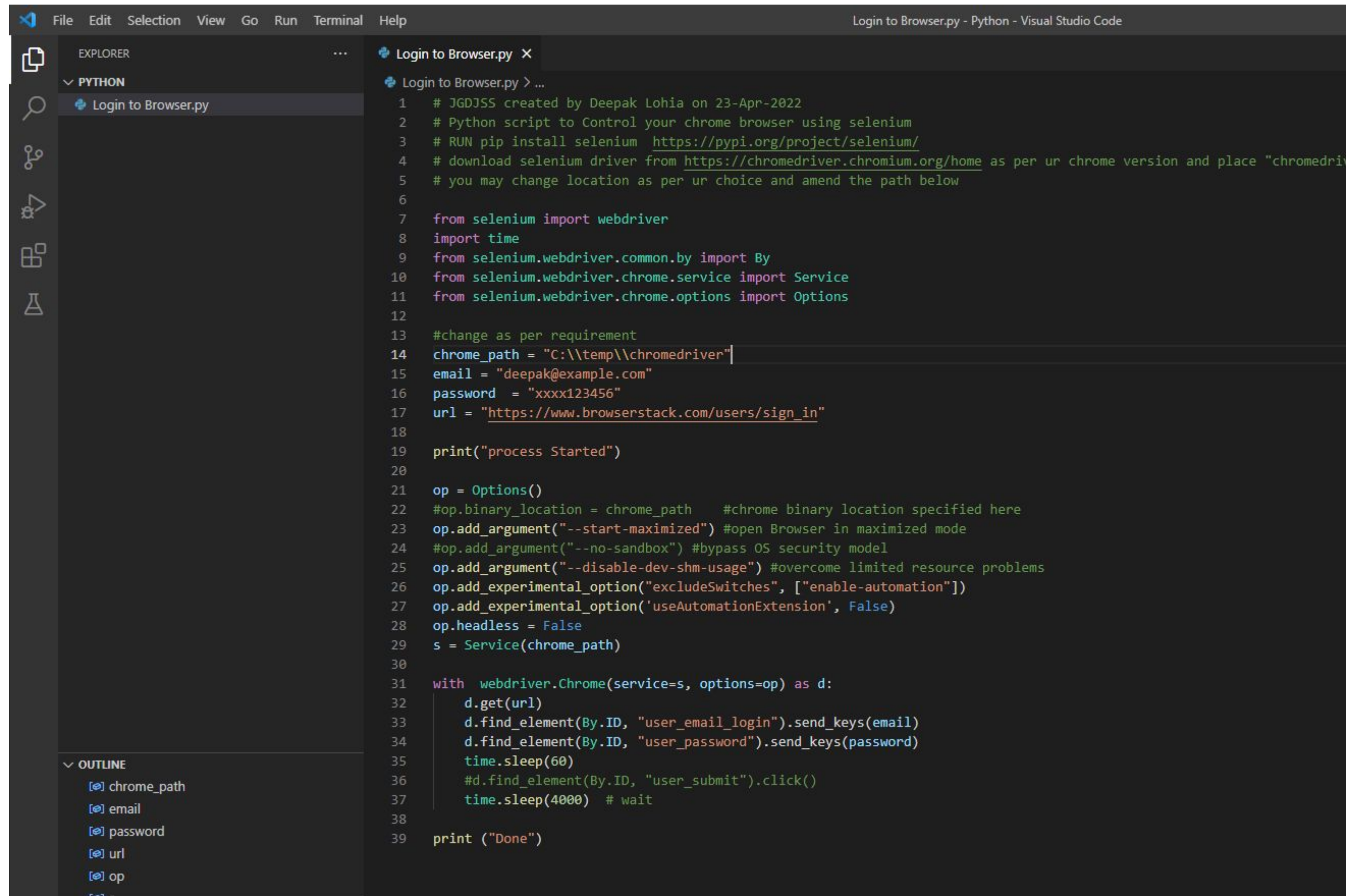
# Install selenium using pip

install required libraries in Python for example for selenium run

```
"pip install selenium"
```

# Run Code in visual Studio Code

## Run Python script



The screenshot shows the Visual Studio Code interface with a Python script named 'Login to Browser.py' open in the editor. The script is a Selenium-based automation script for logging into a browser. The left sidebar shows the Explorer view with the file 'Login to Browser.py' selected under the 'PYTHON' folder. The bottom left shows the Outline view with variables like 'chrome\_path', 'email', 'password', 'url', 'op', and 's' listed. The main editor area displays the following code:

```
1  # JGDJSS created by Deepak Lohia on 23-Apr-2022
2  # Python script to Control your chrome browser using selenium
3  # RUN pip install selenium https://pypi.org/project/selenium/
4  # download selenium driver from https://chromedriver.chromium.org/home as per ur chrome version and place "chromedriver"
5  # you may change location as per ur choice and amend the path below
6
7  from selenium import webdriver
8  import time
9  from selenium.webdriver.common.by import By
10 from selenium.webdriver.chrome.service import Service
11 from selenium.webdriver.chrome.options import Options
12
13 #change as per requirement
14 chrome_path = "C:\\temp\\chromedriver"
15 email = "deepak@example.com"
16 password = "xxxx123456"
17 url = "https://www.browserstack.com/users/sign_in"
18
19 print("process Started")
20
21 op = Options()
22 #op.binary_location = chrome_path #chrome binary location specified here
23 op.add_argument("--start-maximized") #open Browser in maximized mode
24 #op.add_argument("--no-sandbox") #bypass OS security model
25 op.add_argument("--disable-dev-shm-usage") #overcome limited resource problems
26 op.add_experimental_option("excludeSwitches", ["enable-automation"])
27 op.add_experimental_option('useAutomationExtension', False)
28 op.headless = False
29 s = Service(chrome_path)
30
31 with webdriver.Chrome(service=s, options=op) as d:
32     d.get(url)
33     d.find_element(By.ID, "user_email_login").send_keys(email)
34     d.find_element(By.ID, "user_password").send_keys(password)
35     time.sleep(60)
36     #d.find_element(By.ID, "user_submit").click()
37     time.sleep(4000) # wait
38
39 print ("Done")
```

# Thank you

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