

#Python script using Selenium to automate the login process for a web application

Import necessary libraries

from selenium import webdriver

Set up the web driver (like a web browser)

driver = webdriver.Chrome()

Go to the login page of the web application

driver.get('https://www.example.com/login')

Find the username and password fields and fill them in

username_field = driver.find_element_by_id('username')
username_field.send_keys('your_username')

password_field = driver.find_element_by_id('password')
password_field.send_keys('your_password')

Click the login button

login_button = driver.find_element_by_id('login-button')
login_button.click()

Wait for a moment to ensure the login is complete

driver.implicitly_wait(10) # Wait for 10 seconds

Check if the login was successful by looking for a "Welcome" message

if 'Welcome' in driver.page_source:
 print('Login Successful!')

else:
 print('Login Failed.')

Close the web browser

driver.quit()

In simple terms:

1. We use a tool called Selenium to control a web browser.
2. We open the web page where you log in (`'https://www.example.com/login'`).
3. We find the username and password boxes and type in your username and password.
4. We click the login button.
5. We wait for a moment to make sure the login finishes.
6. We check if there's a "Welcome" message on the page. If it's there, we print "Login Successful!" Otherwise, we print "Login Failed."
7. We close the web browser.