**Software Engineering Tools Lab**

**Assignment no. 9**

# **Name: Sumit Narake**

# **PRN: 2020BTECS00023**

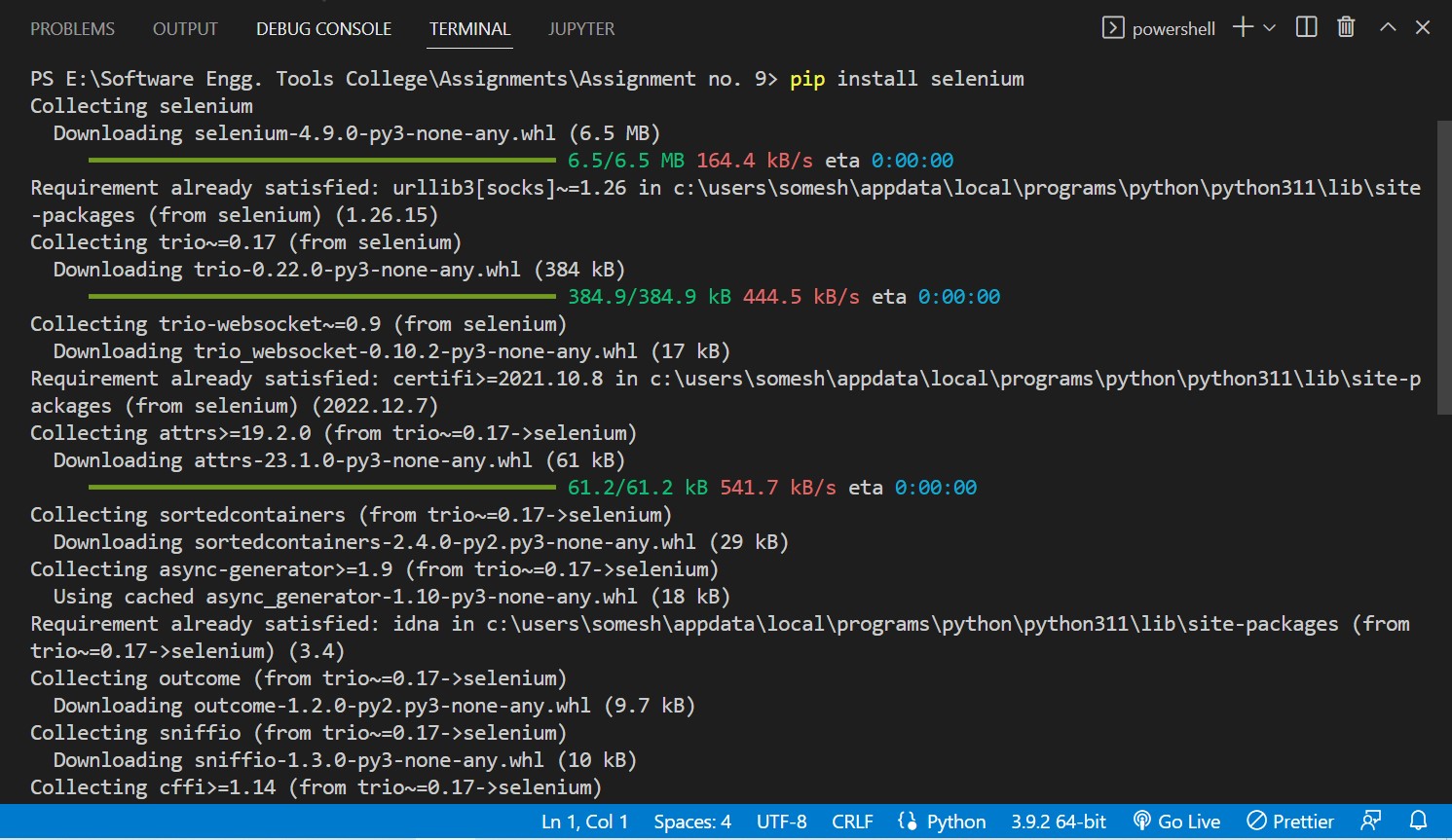
Q.1 What are the prerequisites for installing the Selenium.

Ans:

1. Selenium WebDriver (package for python)
2. Python
3. MS Edge Driver

Q.2 Install Selenium tool on your machine (Provide screen shots for successful installation and login)

*Ans:*



Q.3 Using Selenium tool create multiple test cases (at least 10) on any application/project that you have implemented.

Perform below tasks:

1. Create New test project as SETProject
2. Create a test plan as SETProjectTestPlan
3. Create a build as SETProjectBuild
4. Create test suite as Test Suite 1 under SETProject
5. Create Test cases in Selenium Tool Ans:
6. from selenium import webdriver
7. from selenium.webdriver.common.by import By
8. from selenium.webdriver.support.ui import WebDriverWait
9. from selenium.webdriver.support import expected\_conditions as EC
10. from selenium.webdriver.common.action\_chains import ActionChains
11. import time
12. import os
13. from dotenv import load\_dotenv
14. load\_dotenv()
15. # Initializing the driver for MS Edge Browser
16. driver = webdriver.Edge()
17. # Maximizing the window
18. driver.maximize\_window()
19. # Going to BrowserStack Login page
20. driver.get("https://www.browserstack.com/users/sign\_in")
21. time.sleep(2)
22. # Login Page Elements
23. username = driver.find\_element(By.ID, "user\_email\_login")
24. password = driver.find\_element(By.ID, "user\_password")
25. login\_btn = WebDriverWait(driver,20).until(EC.element\_to\_be\_clickable((By.NAME, "commit")))
26. accept\_btn = WebDriverWait(driver,20).until(EC.element\_to\_be\_clickable((By.ID, "accept-cookie-notification-cross-icon")))
27. # Setting the values in login fields
28. username.send\_keys(os.getenv("BROWSERSTACK\_EMAIL"))
29. password.send\_keys(os.getenv("BROWSERSTACK\_PASSWORD"))
30. # Closing the cookies dialog
31. ActionChains(driver).move\_to\_element(accept\_btn).click().perform()
32. time.sleep(2)
33. # Logging in
34. ActionChains(driver).move\_to\_element(login\_btn).click().perform()
35. time.sleep(5)
36. # Checking for successful login
37. actualUrl="https://live.browserstack.com/dashboard"
38. expectedUrl= driver.current\_url
39. if actualUrl in expectedUrl:
40. print("\n[TEST CASE] Logged in Successfully!")
41. else:
42. print("\n[TEST CASE] Error while logging in!")

**Output:**

