

1.

```
from selenium import webdriver
from selenium.webdriver.chrome.service import Service
from selenium.webdriver.common.by import By
import time
# Launch Chrome browser
driver = webdriver.Chrome()
# Open Google homepage
driver.get("https://www.google.com")
# Retrieve and display page title
time.sleep(5)
print("Page Title is:", driver.title)
# Close the browser
driver.quit()
```

2.

```
from selenium import webdriver
from selenium.webdriver.common.by import By
from selenium.webdriver.chrome.service import Service
from webdriver_manager.chrome import ChromeDriverManager
import time
driver = webdriver.Chrome(service=Service(ChromeDriverManager().install()))
driver.get("https://practicetestautomation.com/practice-test-login/")
driver.find_element(By.XPATH, "//button[text()='Submit']").click()
time.sleep(3)
driver.quit()
```

3.

```
from selenium import webdriver
from selenium.webdriver.common.by import By
from selenium.webdriver.chrome.service import Service
from webdriver_manager.chrome import ChromeDriverManager
driver = webdriver.Chrome(service=Service(ChromeDriverManager().install()))
driver.get("https://practicetestautomation.com/practice-test-login/")
driver.find_element(By.ID, "username").send_keys("student")
driver.find_element(By.ID, "password").send_keys("Password123")
driver.find_element(By.XPATH, "//button[text()='Submit']").click()
print("Login Successful")
driver.quit()
```

4.

```
from selenium import webdriver
driver = webdriver.Chrome()
driver.get("https://example.com")
driver.save_screenshot("screenshot.png")
print("Screenshot saved successfully")
driver.quit()
```

5.

```
from selenium import webdriver
from selenium.webdriver.common.by import By
from selenium.webdriver.chrome.service import Service
from webdriver_manager.chrome import ChromeDriverManager
from selenium.webdriver.support.ui import Select
import time

# Launch Browser
driver = webdriver.Chrome(service=Service(ChromeDriverManager().install()))

# Open Website
driver.get("https://www.selenium.dev/selenium/web/web-form.html")
driver.maximize_window()

# ----- Text Input -----
driver.find_element(By.NAME, "my-text").send_keys("Shan MS")

# ----- Password -----
driver.find_element(By.NAME, "my-password").send_keys("123456")

# ----- Text Area -----
driver.find_element(By.NAME, "my-textarea").send_keys(
    "This form is automated using Selenium Python"
)

# ----- Dropdown (Select) -----
dropdown = Select(driver.find_element(By.NAME, "my-select"))
dropdown.select_by_visible_text("Two")

# ----- Checkbox -----
```

```
checkbox = driver.find_element(By.ID, "my-check-2").click()
```

```
# ----- Radio Button -----
```

```
driver.find_element(By.ID, "my-radio-1").click()
```

```
time.sleep(5)
```

```
# ----- Submit Button -----
```

```
driver.find_element(By.CSS_SELECTOR, "button").click()
```

```
print("✅ Form Submitted Successfully")
```

```
time.sleep(3)
```

```
# Close Browser
```

```
driver.quit()
```

6.

```
from selenium import webdriver
```

```
from selenium.webdriver.common.by import By
```

```
import time
```

```
d = webdriver.Chrome()
```

```
d.get("https://www.selenium.dev/selenium/web/alerts.html")
```

```
# Click prompt alert
```

```
d.find_element(By.LINK_TEXT, "click me").click()
```

```
# Switch to alert
```

```
alert = d.switch_to.alert
```

```
# Print alert message
print("Alert Text:", alert.text)
```

```
# Click OK (accept)
alert.accept()
```

```
time.sleep(2)
```

```
d.quit()
```

7.

```
CSV login.csv
```

```
username,password
```

```
student>Password123
```

```
test,1234
```

```
#CODE
```

```
from selenium import webdriver
```

```
from selenium.webdriver.common.by import By
```

```
import csv, time
```

```
driver = webdriver.Chrome()
```

```
with open("login.csv") as file:
```

```
    data = csv.DictReader(file)
```

```
    for row in data:
```

```
        driver.get("https://practicetestautomation.com/practice-test-login/")
```

```
        driver.find_element(By.ID, "username").send_keys(row["username"])
```

```
        driver.find_element(By.ID, "password").send_keys(row["password"])
```

```
driver.find_element(By.XPATH, "//button[text()='Submit']").click()

time.sleep(2)

if "success" in driver.current_url:
    result="PASS"
else:
    result="FAIL"

print(row["username"], result)
driver.save_screenshot(row["username"]+".png")

driver.quit()
```

8.


```
from selenium import webdriver
from selenium.webdriver.common.by import By
import time

driver = webdriver.Chrome()
driver.maximize_window()

driver.get("https://www.saucedemo.com")

# Login
driver.find_element(By.ID,"user-name").send_keys("standard_user")
driver.find_element(By.ID,"password").send_keys("secret_sauce")
driver.find_element(By.ID,"login-button").click()

time.sleep(2)
```

# Add product directly from inventory page 

```
driver.find_element(By.ID,"add-to-cart-sauce-labs-backpack").click()
```

```
driver.save_screenshot("product_added.png")
```

# Open cart

```
driver.find_element(By.CLASS_NAME,"shopping_cart_link").click()
```

```
time.sleep(2)
```

```
print("Product added to cart")
```

# Checkout

```
driver.find_element(By.ID,"checkout").click()
```

# Checkout details

```
driver.find_element(By.ID,"first-name").send_keys("Shan")
```

```
driver.find_element(By.ID,"last-name").send_keys("MS")
```

```
driver.find_element(By.ID,"postal-code").send_keys("673001")
```

```
driver.find_element(By.ID,"continue").click()
```

```
driver.save_screenshot("checkout.png")
```

```
time.sleep(3)
```

```
driver.quit()
```