**Selenium**

**Install Selenium & drivers**

Install selenium on ubuntu

<https://www.quora.com/How-do-I-install-Selenium-in-Python-on-a-Linux-environment>

Install selenium on windows

<https://selenium-python.readthedocs.io/installation.html>

Install geckodriver

<https://github.com/mozilla/geckodriver/releases>

Install chromedriver

<http://chromedriver.chromium.org/downloads>

Selenium python referrence

<https://selenium-python.readthedocs.io/>

**Selenium Python Syntax**

Import Libraries:

**from** **selenium** **import** webdriver

**from** **selenium.webdriver.common.keys** **import** Keys

Next, the instance of Firefox or Chrome WebDriver is created using command  
driver = webdriver.Firefox(executable\_path=r'/path to the driver executable file')

driver = webdriver.Chrome(executable\_path=r'/path to the driver executable file')

Navigate to URL:  
driver.get("[http://www.python.org](http://www.python.org/)")

Asserting page title:  
assert "Python" in driver.title

Find element:  
elem = driver.find\_element\_by\_name("q")

Clear textfield & send data into textfield:

elem.clear()  
elem.send\_keys("pycon")

Click on button:  
elem.click()

Close the browser:  
driver.close()

driver.quit()

# Locating Elements: find\_element\_by\_id find\_element\_by\_name find\_element\_by\_xpath find\_element\_by\_link\_text find\_element\_by\_partial\_link\_text find\_element\_by\_tag\_name find\_element\_by\_class\_name Find\_element\_by\_css\_selector

To find multiple elements (these methods will return a list):Find\_elements\_by\_name  
Find\_elements\_by\_xpath  
Find\_elements\_by\_link\_text  
Find\_elements\_by\_partial\_link\_text  
Find\_elements\_by\_tag\_name  
Find\_elements\_by\_class\_name  
Find\_elements\_by\_css\_selector

Sample Code:

**from** **selenium** **import** webdriver

**from** **selenium.webdriver.common.keys** **import** Keys

driver = webdriver.Firefox(executable\_path=r'/path to the driver executable file')

driver.get("http://www.python.org")

**assert** "Python" **in** driver.title

elem = driver.find\_element\_by\_name("q")

elem.clear()

elem.send\_keys("pycon")

elem.send\_keys(Keys.RETURN)

**assert** "No results found." **not** **in** driver.page\_source

driver.close()