# Selenium

# Installation

<https://www.youtube.com/watch?v=RfFrC8jYC9E&list=PL6flErFppaj3FhVG-3RGGQx-Mvj7DXrpX>

>pip install -U selenium

# How to Run Tests on Chrome, Firefox & IE Browsers

* Download chrome driver
* <https://sites.google.com/a/chromium.org/chromedriver/>
* Chrome selenium stable [release](https://chromedriver.storage.googleapis.com/index.html?path=90.0.4430.24/)
* Extract and give path to

driver = webdriver.Chrome(executable\_path="F:\\Doodle\\Asset\\selenium\\chromedriver.exe")

## First program

from selenium import webdriver

driver = webdriver.Chrome(executable\_path="F:\\Doodle\\Asset\\selenium\\chromedriver.exe")

## Get title of website

from selenium import webdriver

driver = webdriver.Chrome(executable\_path="F:\\Doodle\\Asset\\selenium\\chromedriver.exe")

driver.get("https://www.google.co.in/")

print(driver.title)

driver.quit()

## open browser – exe path with service

from selenium import webdriver

from selenium.webdriver.chrome.service import Service

s = Service("F:\\Doodle\\Asset\\selenium\\chromedriver.exe")

driver = webdriver.Chrome(service=s)

driver.maximize\_window()

driver.get("https://www.google.co.in/")

my\_ttitle = driver.title

# assert "google" in my\_ttitle

driver.quit()

# submit login form

## SendKeys, Click

from selenium import webdriver

driver = webdriver.Chrome(executable\_path="F:\\Doodle\\Asset\\selenium\\chromedriver.exe")

driver.maximize\_window()

driver.get("https://opensource-demo.orangehrmlive.com/")

user\_name = driver.find\_element\_by\_name("txtUsername")

user\_name.send\_keys("Admin")

password = driver.find\_element\_by\_id("txtPassword")

password.send\_keys("admin123")

button = driver.find\_element\_by\_class\_name("button")

button.click()

# driver.quit()

## Css attributes, html attributes

from selenium import webdriver

driver = webdriver.Chrome(executable\_path="F:\\Doodle\\Asset\\selenium\\chromedriver.exe")

driver.maximize\_window()

driver.get("https://opensource-demo.orangehrmlive.com/")

user\_name = driver.find\_element\_by\_name("txtUsername")

enableStatus = user\_name.is\_enabled()

displayStatus = user\_name.is\_displayed()

print(enableStatus, displayStatus)

attr\_type = user\_name.get\_attribute("type")

print("type", attr\_type)

font\_value = user\_name.value\_of\_css\_property("font-size")

print("font value", font\_value)

user\_name.clear()

user\_name.send\_keys("Admin")

password = driver.find\_element\_by\_id("txtPassword")

password.send\_keys("admin123")

button = driver.find\_element\_by\_class\_name("button")

button.click()

# driver.quit()

# By class

from selenium import webdriver

from selenium.webdriver.common.by import By

driver = webdriver.Chrome(executable\_path="F:\\Doodle\\Asset\\selenium\\chromedriver.exe")

driver.maximize\_window()

driver.get("https://opensource-demo.orangehrmlive.com/")

driver.find\_element("name", "txtUsername").send\_keys("Admin")

# driver.find\_element(By.NAME, "txtUsername").send\_keys("Admin")

# driver.find\_element\_by\_name("txtUsername").send\_keys("Admin")

driver.find\_element(By.ID, "txtPassword").send\_keys("admin123")

# driver.find\_element\_by\_id("txtPassword").send\_keys("admin123")

driver.find\_element(By.CLASS\_NAME, "button").click()

# driver.find\_element\_by\_class\_name("button").click()

# driver.quit()

# Xpath

* Open url
* <https://opensource-demo.orangehrmlive.com/>
* Inspect
* Cntrl + f
* Type - //input[@id="txtUsername"]

from selenium import webdriver

from selenium.webdriver.common.by import By

import time

driver = webdriver.Chrome(executable\_path="F:\\Doodle\\Asset\\selenium\\chromedriver.exe")

driver.maximize\_window()

driver.get("https://opensource-demo.orangehrmlive.com/")

driver.find\_element(By.XPATH, "//input[@id='txtUsername']").send\_keys("Admin")

driver.find\_element(By.CSS\_SELECTOR, "input[type='password']").send\_keys("admin123")

driver.find\_element(By.XPATH, "//input[@value='LOGIN']").click()

assert "dashboard" in driver.current\_url

driver.find\_element(By.XPATH, "//a[contains(text(),'Welcome')]").click()

time.sleep(3)

driver.find\_element(By.XPATH, "//a[contains(text(),'Logout')]").click()

assert "login" in driver.current\_url

# driver.quit()

# LinkText

from selenium import webdriver

from selenium.webdriver.common.by import By

import time

driver = webdriver.Chrome(executable\_path="F:\\Doodle\\Asset\\selenium\\chromedriver.exe")

driver.maximize\_window()

driver.get("https://opensource-demo.orangehrmlive.com/")

driver.find\_element(By.LINK\_TEXT, "Forgot your password?").click()

# driver.quit()

## Partial link text

driver.find\_element(By.PARTIAL\_LINK\_TEXT, "Forgot your ").click()

## TagName

driver.find\_element(By.TAG\_NAME, "a")

# Select : Drop down

from selenium import webdriver

from selenium.webdriver.common.by import By

from selenium.webdriver.support.select import Select

import time

driver = webdriver.Chrome(executable\_path="F:\\Doodle\\Asset\\selenium\\chromedriver.exe")

driver.maximize\_window()

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

driver.find\_element(By.XPATH, "//a[text()='Create New Account']").click()

time.sleep(3)

month = driver.find\_element(By.ID, "month")

monthDD = Select(month)

# march

monthDD.select\_by\_index(3)

time.sleep(3)

# June

monthDD.select\_by\_value("6")

time.sleep(3)

monthDD.select\_by\_visible\_text("Aug")

time.sleep(3)

# driver.quit()