# Get method

from selenium import webdriver import time

driver = webdriver.Chrome()

driver.get("http://localhost:3000/Login") driver.maximize\_window() time.sleep(20)

driver.close() driver.quit()

print("Test Sucessfully")

# By id

from selenium import webdriver import time

driver = webdriver.Chrome()

driver.get("http://localhost:3000/Login") driver.maximize\_window()

driver.find\_element("id", 'form3Example3').send\_ke[ys("Vidhya@gmail.co](mailto:Vidhya@gmail.com)m") driver.find\_element("id", 'form3Example4').send\_keys('12345') driver.find\_element("id", 'submitbutton').click()

# driver.find\_element("id","loginformid") time.sleep(20)

driver.close() driver.quit()

print("Test Sucessfully by id")

# By name

from selenium import webdriver import time

driver = webdriver.Chrome() driver.get("http://localhost:3000/Login") driver.maximize\_window()

driver.find\_element("name", 'email').send\_keys("[Vidhya@gmail.com")](mailto:Vidhya@gmail.com) driver.find\_element("name", 'password').send\_keys('12345') driver.find\_element("name", 'submitbutton').click()

time.sleep(5) driver.close() driver.quit()

print("Test sucessfully by classname")

# By class name

from selenium import webdriver

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

driver = webdriver.Chrome() driver.get("http://localhost:3000/Login") driver.maximize\_window()

driver.find\_element(By.CLASS\_NAME,"input1").send\_ke[ys("dhadukvidh](mailto:dhadukvidhya@gmail.com)ya[@gmail.com")](mailto:dhadukvidhya@gmail.com) driver.find\_element(By.CLASS\_NAME,"input2").send\_keys("12345") driver.find\_element(By.CLASS\_NAME,"loginbtn").click()

time.sleep(5) driver.close() driver.quit()

print("Test sucessfully by class-name")

# By link

from selenium import webdriver

from selenium.webdriver.common.by import By

from selenium.webdriver.common.action\_chains import ActionChains import time

driver = webdriver.Chrome() driver.get("http://localhost:3000") driver.maximize\_window()

element = driver.find\_element(By.LINK\_TEXT,'Login') action = ActionChains(driver) action.click(on\_element=element)

action.perform() time.sleep(5) driver.close() driver.quit()

print("Test sucessfully by Link ")

# By tag name

from selenium import webdriver

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

driver = webdriver.Chrome() driver.get("http://localhost:3000/Login") driver.maximize\_window() driver.find\_element(By.TAG\_NAME, 'p') driver.find\_element(By.TAG\_NAME, 'div') time.sleep(5)

driver.close() driver.quit()

print("Test Sucessfully by Tag")

# By Xpath

from selenium import webdriver

from selenium.webdriver.common.by import By

import time

driver = webdriver.Chrome() driver.get("http://localhost:3000/Login") driver.maximize\_window()

driver.find\_element(By.XPATH,'//input[@id="form3Example3"]').send\_keys("dhadukvidhy [a@gmail.com")](mailto:a@gmail.com)

driver.find\_element(By.XPATH,'//input[@id="form3Example4"]').send\_keys("12345") driver.find\_element(By.XPATH,'//button[@id="submitbutton"]').click()

time.sleep(5) driver.close() driver.quit()

print("Test sucessfully by Xpath")

# Context Click

from selenium import webdriver

from selenium.webdriver.common.by import By

from selenium.webdriver.common.action\_chains import ActionChains import time

driver = webdriver.Chrome() driver.get("https://amazon.com") driver.maximize\_window()

element = driver.find\_element(By.LINK\_TEXT,'Sell') action = ActionChains(driver) action.context\_click(on\_element=element) action.perform()

time.sleep(5) driver.close() driver.quit()

print("Test sucessfully by Link ")

# Click And hold

from selenium import webdriver

from selenium.webdriver.common.by import By

from selenium.webdriver.common.action\_chains import ActionChains import time

driver = webdriver.Chrome() driver.get("https://amazon.com") driver.maximize\_window()

element = driver.find\_element(By.LINK\_TEXT,'Sell') action = ActionChains(driver) action.click\_and\_hold(on\_element=element) action.perform()

time.sleep(5) driver.close() driver.quit()

print("Test sucessfully by Link ")

# Double click

from selenium import webdriver

from selenium.webdriver.common.by import By

from selenium.webdriver.common.action\_chains import ActionChains import time

driver = webdriver.Chrome() driver.get("https://amazon.com") driver.maximize\_window()

element = driver.find\_element(By.LINK\_TEXT,'Sell') action = ActionChains(driver) action.double\_click(on\_element=element) action.perform()

time.sleep(1) driver.close() driver.quit()

print("Test sucessfully by Double click ")

# Drag & drop

from selenium import webdriver

from selenium.webdriver.common.action\_chains import ActionChains from selenium.webdriver.common.by import By

import time

driver = webdriver.Chrome() driver.maximize\_window()

driver.ge[t('http:](http://www.dhtmlgoodies.com/scripts/drag-drop-custom/demo-drag-drop-3.html%27))//[www.dhtmlgoodi](http://www.dhtmlgoodies.com/scripts/drag-drop-custom/demo-drag-drop-3.html%27))e[s.com/scripts/drag-drop-custom/demo-drag-drop-3.html')](http://www.dhtmlgoodies.com/scripts/drag-drop-custom/demo-drag-drop-3.html%27)) drg = driver.find\_element(By.ID, "box1")

drp = driver.find\_element(By.ID, "box106") action=ActionChains(driver) action.pause(5)

action.drag\_and\_drop(drg, drp) action.perform()

time.sleep(5) driver.close() driver.quit()

print("Sucessfully Drag and drop");

# Drag & drop by offset

from selenium import webdriver

from selenium.webdriver.common.action\_chains import ActionChains import time

driver=webdriver.Chrome()

driver.ge[t("htt](http://www.dhtmlgoodies.com/scripts/drag-drop-custom/demo-drag-drop-3.html)p:/[/www.dhtmlgoodies.com/scripts/drag-drop-custom/demo-drag-drop-3.html"](http://www.dhtmlgoodies.com/scripts/drag-drop-custom/demo-drag-drop-3.html)) driver.maximize\_window()

source=driver.find\_element("id",'box3') action = ActionChains(driver)

action.drag\_and\_drop\_by\_offset(source,250,10) action.perform()

time.sleep(5)

driver.close() driver.quit()

print("drag and drop by offset")

# Move by element

from selenium import webdriver

from selenium.webdriver.common.action\_chains import ActionChains from selenium.webdriver.common.by import By

import time driver=webdriver.Chrome()

driver.get("https:/[/www](http://www.geeksforgeeks.org/).[geeksforgeeks.org/")](http://www.geeksforgeeks.org/)

element = driver.find\_element(By.LINK\_TEXT,"Courses") driver.maximize\_window()

action = ActionChains(driver) action.move\_to\_element(element).click() action.perform()

time.sleep(5) driver.close() driver.quit()

print("Sucessfully move to element")

# File upload

from selenium import webdriver import time

driver = webdriver.Chrome()

driver.get("E:/sem-7/705/Selenium/fileupload.html") driver.maximize\_window()

driver.find\_element("id","myfile").send\_keys("E:/sem-7/705/Selenium/new\_s\_s.png") time.sleep(5)

driver.close() driver.quit() print("done")

# Move by offset

import time

from selenium import webdriver

from selenium.webdriver.common.action\_chains import ActionChains driver = webdriver.Chrome() driver.get("https:/[/www](http://www.geeksforgeeks.org/).[geeksforgeeks.org/")](http://www.geeksforgeeks.org/) driver.maximize\_window()

action = ActionChains(driver) action.move\_by\_offset(200,100).context\_click() action.perform()

time.sleep(5) driver.close() driver.quit()

print("Sucessfully move by offset")

# 6.Move to element with offset

from selenium import webdriver

from selenium.webdriver.common.by import By

from selenium.webdriver.common.action\_chains import ActionChains import time

driver=webdriver.Chrome() driver.get("https:/[/www](http://www.geeksforgeeks.org/).[geeksforgeeks.org/")](http://www.geeksforgeeks.org/) driver.maximize\_window()

element = driver.find\_element(By.LINK\_TEXT,"Python") action=ActionChains(driver) action.move\_to\_element\_with\_offset(element,200,200).context\_click() action.perform()

time.sleep(5) driver.close() driver.quit()

print("Move by element with offset")

# CSS selector

from selenium import webdriver

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

driver=webdriver.Chrome()

driver.get("E:/sem-7/705/Selenium/fileupload.html") driver.maximize\_window()

driver.find\_element(By.CSS\_SELECTOR,"input.upload").send\_keys("E:/sem- 7/705/Selenium/new\_s\_s.png")

time.sleep(5) driver.close() driver.quit()

print("Css selector done")

# YouTube search

from selenium import webdriver import time driver=webdriver.Chrome() driver.maximize\_window()

driver.get("https:/[/www](http://www.youtube.com/).[youtube.com/](http://www.youtube.com/)") driver.find\_element("name","search\_query").send\_keys("selenium") time.sleep(1)

driver.find\_element("id","search-icon-legacy").click() time.sleep(10)

driver.close() driver.quit() print("Search done") 19.Partial link

from selenium import webdriver

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

driver= webdriver.Chrome() driver.get("https:/[/www](http://www.geeksforgeeks.org/).[geeksforgeeks.org/")](http://www.geeksforgeeks.org/) driver.maximize\_window() element=driver.find\_element(By.PARTIAL\_LINK\_TEXT,"Python") print(element)

time.sleep(3) driver.close() driver.quit()

print("Partial link text done")

# Key up & key down

from selenium import webdriver

from selenium.webdriver.common.action\_chains import ActionChains from selenium.webdriver.common.keys import Keys

import time

driver = webdriver.Chrome()

driver.get("E:/sem-7/705/Selenium/vidhya.html") driver.maximize\_window()

action = ActionChains(driver) action.key\_down(Keys.CONTROL).send\_keys('F').key\_up(Keys.CONTROL) action.perform()

time.sleep(10) driver.close() driver.quit()

print("Test sucessfully by key up and key down ")

# Pause

# import webdriver

from selenium import webdriver

from selenium.webdriver.common.action\_chains import ActionChains from selenium.webdriver.common.by import By

driver = webdriver.Chrome()

driver.get("https:/[/www](http://www.geeksforgeeks.org/).[geeksforgeeks.org/")](http://www.geeksforgeeks.org/)

element = driver.find\_element(By.LINK\_TEXT,"Courses") driver.maximize\_window()

action = ActionChains(driver) action.click(on\_element = element) action.pause(5) action.click(on\_element = element) action.perform()

driver.close() driver.quit()

print("Pause sucessfully")

# Screenshot

from selenium import webdriver from PIL import Image

driver = webdriver.Chrome() driver.get("https:/[/www](http://www.geeksforgeeks.org/).[geeksforgeeks.org/")](http://www.geeksforgeeks.org/) driver.maximize\_window() driver.save\_screenshot("new\_s\_s.png") image=Image.open("new\_s\_s.png") image.show()

driver.close() driver.quit() print("Screen short") 23.Select box

from selenium import webdriver

from selenium.webdriver.support.select import Select

from selenium.webdriver.common.action\_chains import ActionChains import time

driver=webdriver.Chrome()

driver.get("E:/sem-7/705/Selenium/dropdown.html")

action=ActionChains(driver) action.pause(3)

s= Select(driver.find\_element("id","cars")) s.select\_by\_visible\_text("Mercedes") time.sleep(5)

driver.close() driver.quit() print("select box done") 24. Alert

from selenium import webdriver

from selenium.webdriver.common.alert import Alert from selenium.webdriver.common.by import By import time

driver=webdriver.Chrome() driver.maximize\_window()

driver.ge[t("htt](http://testautomationpractice.blogspot.com/)p:/[/testautomationpractice.blogspot.com/](http://testautomationpractice.blogspot.com/)") driver.find\_element(By.XPATH,'//\*[@id="HTML9"]/div[1]/button').click() alert=Alert(driver)

# alert.accept() alert.dismiss() time.sleep(10)

# Facebook login

from selenium import webdriver import time driver=webdriver.Chrome()

driver.get("https:/[/www.f](http://www.facebook.com/login/)a[cebook.com/login/"](http://www.facebook.com/login/)) driver.maximize\_window() driver.find\_element('id',"email").send\_keys("Vidhya dhaduk") driver.find\_element('id',"pass").send\_keys("vidhyadhaduk8918") driver.find\_element('id',"loginbutton").click()

time.sleep(15) driver.close() driver.quit()

print("Test sucessfully")

# Find elements

from selenium import webdriver

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

driver = webdriver.Chrome()

driver.get("E:/sem-7/705/Selenium/dropdown.html") driver.maximize\_window() element=driver.find\_elements(By.TAG\_NAME,"option") print(len(element))

time.sleep(5) driver.close() driver.quit()

print("Test Sucessfully by find elements")

# Read from excel

import openpyxl

b = openpyxl.load\_workbook("E:/sem-7/705/Selenium/Book1.xlsx") sht = b.active

cl = sht.cell (row = 4, column = 1) print("Reading value from row-3, col-2: ") print (cl.value)

# Write in excel

import openpyxl

book = openpyxl.load\_workbook("E:/sem-7/705/Selenium/Book1.xlsx") sheet = book.active

sheet.cell(row = 3, column = 1).value = 'Priya' print("done")

a=sheet.cell(row=3, column=1) print(a.value)

# Database

import pymysql

connection = pymysql.connect(host='localhost', user='root',

password='', db='home\_services2', charset='utf8mb4',

cursorclass=pymysql.cursors.DictCursor) cursor = connection.cursor()

# Select

query = "SELECT \* FROM `registration`" cursor.execute(query)

if cursor.rowcount == 0:

print ('No results matched your query.') else:

print (cursor.fetchone()['u\_id']) # insert

query = "INSERT INTO `registration` VALUES (106,'abcd@gmail.com',123456,9116543210,'dhyani','Dhaduk','sfdffvdv','rashmi65','789456') "

cursor.execute(query)

query = "UPDATE `registration` SET

`email`='rashmita@gmail.com',`mobileno`=9090909090 WHERE `u\_id`=105" cursor.execute(query)

connection.commit()

1. Listener import unittest import logging

from selenium import webdriver

from selenium.webdriver.common.by import By from selenium.webdriver.common.keys import Keys import time

from selenium.webdriver.support.events import EventFiringWebDriver,

AbstractEventListener

class MyListener(AbstractEventListener): def before\_navigate\_to(self, url, driver):

print("Before navigating to ", url) def after\_navigate\_to(self, url, driver):

print("After navigating to ", url)

def before\_navigate\_back(self, driver):

print("before navigating back ", driver.current\_url) def after\_navigate\_back(self, driver):

print("After navigating back ", driver.current\_url) def before\_navigate\_forward(self, driver):

print("before navigating forward ", driver.current\_url) def after\_navigate\_forward(self, driver):

print("After navigating forward ", driver.current\_url) def before\_find(self, by, value, driver):

print("before find")

def after\_find(self, by, value, driver): print("after\_find")

def before\_click(self, element, driver): print("before\_click")

def after\_click(self, element, driver): print("after\_click")

def before\_change\_value\_of(self, element, driver): print("before\_change\_value\_of")

def after\_change\_value\_of(self, element, driver): print("after\_change\_value\_of")

def before\_execute\_script(self, script, driver): print("before\_execute\_script")

def after\_execute\_script(self, script, driver): print("after\_execute\_script")

def before\_close(self, driver): print("tttt")

def after\_close(self, driver): print("before\_close")

def before\_quit(self, driver): print("before\_quit")

def after\_quit(self, driver): print("after\_quit")

def on\_exception(self, exception, driver): print("on\_exception")

class Test(unittest.TestCase): def test\_logging\_file(self):

driver\_plain = webdriver.Chrome() driver\_plain.maximize\_window()

edriver = EventFiringWebDriver(driver\_plain, MyListener()) edriver.get("https://google.com")

time.sleep(2) a=edriver.find\_element(By.NAME,"q") a.send\_keys("Sendkeys with listener") a.send\_keys(Keys.ENTER) time.sleep(2)

edriver.close()

if name == " main ": unittest.main()

# Ajax

from selenium import webdriver

from selenium.webdriver.common.by import By

from selenium.webdriver.support.wait import WebDriverWait

from selenium.webdriver.support import expected\_conditions as EC driver = webdriver.Chrome() driver.get("https:/[/www.f](http://www.facebook.com/login/)a[cebook.com/login/"](http://www.facebook.com/login/))

try:

element = WebDriverWait(driver,20).until( EC.presence\_of\_element\_located((By.ID, "email"))

)

finally:

driver.quit()

1. JavaScript Handling from selenium import webdriver import time

driver = webdriver.Chrome() driver.maximize\_window() driver.get("https:/[/www.tutorialspoint.com/index.htm](http://www.tutorialspoint.com/index.htm)")

driver.execute\_script("window.scrollTo(0, document.body.scrollHeight);") time.sleep(2)

driver.close() driver.quit()

print("JavaScript Handling done")