

ASSIGNMENT-2

Demo.py

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

driver = webdriver.Chrome()
driver.get("https://admin-demo.nopcommerce.com/login")
driver.maximize_window()

time.sleep(3)

driver.find_element(By.NAME, "Email").clear()
driver.find_element(By.NAME, "Email").send_keys("admin@yourstore.com")
driver.find_element(By.NAME, "Password").clear()
driver.find_element(By.NAME, "Password").send_keys("admin")
driver.find_element(By.XPATH, "//button[@type='submit']").click()

time.sleep(5)
act_title=driver.title
# exp_title="Admin Area demo"
exp_title = "Dashboard / nopCommerce administration" # ❑ Correct expected title

if act_title == exp_title:
    print("Login test passed")
else:
    print("Login test failed")
driver.close()

#edge
"""
from selenium import webdriver
from selenium.webdriver.common.by import By
from selenium.webdriver.edge.service import Service
import time

# Set the correct driver path using Service
edge_driver_path = "D:\\Y.R.G SIR\\Driver\\msedgedriver.exe"
service = Service(executable_path=edge_driver_path)

driver = webdriver.Edge(service=service)

driver.get("https://admin-demo.nopcommerce.com/login")
driver.maximize_window()

time.sleep(3)

driver.find_element(By.NAME, "Email").clear()
driver.find_element(By.NAME, "Email").send_keys("admin@yourstore.com")
driver.find_element(By.NAME, "Password").clear()
```

```

driver.find_element(By.NAME, "Password").send_keys("admin")
driver.find_element(By.XPATH, "//button[@type='submit']").click()

time.sleep(5)
act_title = driver.title
# exp_title = "Admin Area demo"
exp_title = "Dashboard / nopCommerce administration" # ❑ Correct expected title

if act_title == exp_title:
    print("Login test passed")
else:
    print("Login test failed")

driver.close()
"""

#Firefox
"""
from selenium import webdriver
from selenium.webdriver.common.by import By
from selenium.webdriver.firefox.service import Service
from selenium.webdriver.firefox.options import Options
import time

# ❑ Path to geckodriver
service = Service("D:\\Y.R.G SIR\\Driver\\geckodriver.exe")

# ❑ Set Firefox browser path
options = Options()
options.binary_location = "C:\\Program Files\\Mozilla Firefox\\firefox.exe"
# Update if needed

# ❑ Create Firefox driver
driver = webdriver.Firefox(service=service, options=options)

# ❑ Rest of your automation
driver.get("https://admin-demo.nopcommerce.com/login")
driver.maximize_window()

time.sleep(3)

driver.find_element(By.NAME, "Email").clear()
driver.find_element(By.NAME, "Email").send_keys("admin@yourstore.com")
driver.find_element(By.NAME, "Password").clear()
driver.find_element(By.NAME, "Password").send_keys("admin")
driver.find_element(By.XPATH, "//button[@type='submit']").click()

time.sleep(5)
act_title = driver.title
# exp_title = "Admin Area demo"
exp_title = "Dashboard / nopCommerce administration" # ❑ Correct expected title
if act_title == exp_title:
    print("Login test passed")
else:

```

```
    print("Login test failed")

driver.close()
"""
```

ASSIGNMENT-3

Facebook.py

```
from selenium import webdriver
from selenium.webdriver.chrome.service import Service
from selenium.webdriver.common.by import By

serv_obj=Service(r"D:\Y.R.G SIR\Driver\chromedriver.exe")
driver=webdriver.Chrome(service=serv_obj)

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

#tag and id
driver.find_element(By.CSS_SELECTOR,"#email").send_keys("abc")

#tag and class
#
driver.find_element(By.CSS_SELECTOR,".inputtext").send_keys("abc@gmail.com")

#tag and attribute
# driver.find_element(By.CSS_SELECTOR,"[data-testid=royal-
email]").send_keys("abc@gmail.com")

#tag, class and attribute
driver.find_element(By.CSS_SELECTOR,"input#pass").send_keys("xyz")

input("Press Enter to close the browser...")
driver.quit()
```

Locator.py

```
from selenium import webdriver
from selenium.webdriver.chrome.service import Service
from selenium.webdriver.common.by import By
import time

serv_obj = Service(r"D:\\Y.R.G SIR\\Driver\\chromedriver.exe")
driver = webdriver.Chrome(service=serv_obj)

driver.get("https://demo.nopcommerce.com/")

driver.maximize_window()

#Id and Name Locator
# driver.find_element(By.ID,"small-searchterms").send_keys("Lenovo Thinkpad
Carbon Laptop")
# driver.find_element(By.NAME,"q").send_keys("Lenovo Thinkpad Carbon Laptop")
```

```
#Linktext and partial linktext
# driver.find_element(By.LINK_TEXT,"Register").click()
driver.find_element(By.PARTIAL_LINK_TEXT,"Reg").click()
# input("Press Enter to close the browser...")
#driver.close()
time.sleep(5)
driver.quit()
```

ASSIGNMENT-4

XPath.py

```
from selenium import webdriver
from selenium.webdriver.chrome.service import Service
from selenium.webdriver.common.by import By
import time

serv_obj=Service("D:\\Y.R.G SIR\\Driver\\chromedriver.exe")
driver = webdriver.Chrome(service=serv_obj)

#driver=webdriver.Chrome()
#driver.get("http://automationpractice.com/index.php")
driver.get("https://demo.nopcommerce.com")
driver.maximize_window()

#Absulte xpath
#
driver.find_element(By.XPATH,"/html/body/div[6]/div[1]/div[2]/div[2]/form/input").send_keys("Laptop")
#
driver.find_element(By.XPATH,"/html/body/div[6]/div[1]/div[2]/div[2]/form/button").click()

#Relative xpath
driver.find_element(By.XPATH,"//*[@id='small-searchterms']").send_keys("Laptop")
driver.find_element(By.XPATH,"//*[@id='small-search-box-form']/button").click()

#or operator
# driver.find_element(By.XPATH,"//input[@id='small-searchterms' or @name='q']").send_keys("Laptop")
#and operator
# driver.find_element(By.XPATH,"//button[@type='submit' and @class='button-1 search-box-button']").click()

#contains() & start-with()
#
driver.find_element(By.XPATH,"//input[contains(@id,'small')]").send_keys("Laptop")
# driver.find_element(By.XPATH,"//button[starts-with(@type,'sub')]").click()
```

```
#text()
# driver.find_element(By.XPATH,"//a[text()='Shopping cart']").click()

# input("Press Enter to close the browser...")
time.sleep(5)
driver.quit()
```

ASSIGNMENT-5

XPathaxes.py

```
from selenium import webdriver
from selenium.webdriver.chrome.service import Service
from selenium.webdriver.common.by import By

serv_obj = Service("D:\\Y.R.G SIR\\Driver\\chromedriver.exe")
driver = webdriver.Chrome(service=serv_obj)

driver.get("https://money.rediff.com/gainers/bse/daily/groupa")
driver.maximize_window()

#self
text_msg=driver.find_element(By.XPATH,"//a[contains(text(),'LIC')]/self::a").text
print(text_msg)#LIC

#parent
#
text_msg=driver.find_element(By.XPATH,"//a[contains(text(),'LIC')]/parent::td").text
# print(text_msg)#LIC

#child
#
childs=driver.find_elements(By.XPATH,"//a[contains(text(),'LIC')]/ancestor::tr/child::td")
# print(len(childs))#12

#ancestor
#
text_msg=driver.find_element(By.XPATH,"//a[contains(text(),'LIC')]/ancestor::tr").text
# print(text_msg)#LIC A 906.25 920.70 + 1.59 Buy | Sell

#Descendant
#
descendant=driver.find_elements(By.XPATH,"//a[contains(text(),'LIC')]/ancestor::tr/descendant::*")
# print("Number of descendant nodes:",len(descendant))#Number of descendant nodes: 10

#Following
#
followings=driver.find_elements(By.XPATH,"//a[contains(text(),'LIC')]/ancestor::tr/following::*")
```

```

# print("Number of following nodes:",len(followings))#Number of descendant
nodes: 2755

#Following-sibling
#
following_sibling=driver.find_elements(By.XPATH,"//a[contains(text(),'LIC')]/
ancestor::tr/following-sibling::*")
# print("Number of descendant nodes:",len(following_sibling))#Number of
descendant nodes: 236

#
following_sibling=driver.find_elements(By.XPATH,"//a[contains(text(),'LIC')]/
ancestor::tr/following-sibling::tr")
# print("Number of descendant nodes:",len(following_sibling))#Number of
descendant nodes: 241

#Preceding
#
precedings=driver.find_elements(By.XPATH,"//a[contains(text(),'LIC')]/ancesto
r::tr/preceding::*")
# print("Number of descendant nodes:",len(precedings))#Number of descendant
nodes: 1407

#
precedings=driver.find_elements(By.XPATH,"//a[contains(text(),'LIC')]/ancesto
r::tr/preceding::tr")
# print("Number of descendant nodes:",len(precedings))#Number of descendant
nodes: 88

#Preceding-sibling
#
preceding_siblings=driver.find_elements(By.XPATH,"//a[contains(text(),'LIC')]/
ancestor::tr/preceding-sibling::*")
# print("Number of descendant nodes:",len(preceding_siblings))#Number of
descendant nodes: 357

#
preceding_sibling=driver.find_elements(By.XPATH,"//a[contains(text(),'LIC')]/
ancestor::tr/preceding-sibling::tr")
# print("Number of descendant nodes:",len(preceding_sibling))#Number of
descendant nodes: 357

input("Press Enter to close the browser...")
driver.quit()

```

ASSIGNMENT-6

Appcommands.py

```

from selenium import webdriver
from selenium.webdriver.chrome.service import Service

serv_obj = Service("D:\\Y.R.G SIR\\Driver\\chromedriver.exe")

```

```

driver = webdriver.Chrome(service=serv_obj)

#application commands
driver.get("https://opensource-demo.orangehrmlive.com/")
driver.maximize_window()

print (driver.title)#OrangeHRM
print (driver.current_url)#https://opensource-
demo.orangehrmlive.com/web/index.php/auth/login
print (driver.page_source)#source code of the page

input("Press Enter to close the browser...")
driver.quit()

```

Ass(Q-17.py)

```

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

driver = webdriver.Chrome()
driver.get("https://www.amazon.com")

buttons = driver.find_elements(By.TAG_NAME, "button")
print("Number of buttons:", len(buttons))

for btn in buttons:
    print(btn.text)

input("Press Enter to close the browser...")
driver.quit()

```

Browsercommands.py

```

from selenium import webdriver
from selenium.webdriver.chrome.service import Service
from selenium.webdriver.common.by import By
import time

serv_obj = Service(r"D:\Y.R.G SIR\Driver\chromedriver.exe")
driver = webdriver.Chrome(service=serv_obj)

driver.get("https://opensource-demo.orangehrmlive.com/")
driver.maximize_window()
time.sleep(5)
driver.find_element(By.PARTIAL_LINK_TEXT, "OrangeHRM").click()
time.sleep(5)
#driver.close()
driver.quit()

```

conditionalcommands.py

```

from selenium import webdriver
from selenium.webdriver.chrome.service import Service
from selenium.webdriver.common.by import By

serv_obj = Service("D:\\Y.R.G SIR\\Driver\\chromedriver.exe")
driver = webdriver.Chrome(service=serv_obj)

#Conditional commands
driver.get("https://demo.nopcommerce.com/register")
driver.maximize_window()

#is_displayed() is_enabled()
# searchbox=driver.find_element(By.XPATH, "//input[@id='small-searchterms']")
# print("Display status:",searchbox.is_displayed())#True
# print("Enabled status:",searchbox.is_enabled())#True

#is_selected()
rd_male=driver.find_element(By.XPATH, "//input[@id='gender-male']")
rd_female=driver.find_element(By.XPATH, "//input[@id='gender-female']")

print("Default radio buttons status...")
print(rd_male.is_selected())#False
print(rd_female.is_selected())#False

#select radio button
#rd_male.click()
# print("After selecting male radio button...")
# print(rd_male.is_selected())#True
# print(rd_female.is_selected())#False

rd_female.click()
print("After selecting female radio button...")
print(rd_male.is_selected())#False
print(rd_female.is_selected())#True

input("Press Enter to close the browser...")
driver.quit()

```

FindElement_FindElements.py

```

from selenium import webdriver
from selenium.webdriver.chrome.service import Service
from selenium.webdriver.common.by import By

serv_obj = Service("D:\\Y.R.G SIR\\Driver\\chromedriver.exe")
driver = webdriver.Chrome(service=serv_obj)

driver.get("https://demo.nopcommerce.com/")
driver.maximize_window()

#find_element()
#1)Locator matching with single webelement
# element=driver.find_element(By.XPATH,"//input[@id='small-searchterms']")
# element.send_keys("Laptop")

```



```

#2)Locator matching with multiple webelements
# element=driver.find_element(By.XPATH,"//div[@class='footer']//a")
# print (element.text)#Sitemap

#3)Element not available then throw NoSuchElementException
# login_element=driver.find_element(By.LINK_TEXT,"Log in")
# login_element.click() #perfect work

# login_element=driver.find_element(By.LINK_TEXT,"Log")
# login_element.click() #not find this element

#find_elements()
#1)Locator matching with single webelement
# elements=driver.find_elements(By.XPATH,"//input[@id='small-searchterms']")
# print(len(elements))#1
# elements[0].send_keys("Laptop")

#2)Locator matching with multiple webelements
elements=driver.find_elements(By.XPATH,"//div[@class='footer']//a")
print(len(elements))#24
#print(elements[0].text)#Sitemap
for ele in elements:
    print(ele.text)

#3)Element not available then throw NoSuchElementException
#element=driver.find_elements(By.LINK_TEXT,"Log")
# print("Elements returned",len(element))#0

# element=driver.find_elements(By.LINK_TEXT,"Log in")
# print("Elements returned",len(element))#1

input("Press Enter to close the browser...")
driver.quit()

```

Navigationalcommands.py

```

from selenium import webdriver
from selenium.webdriver.chrome.service import Service
from selenium.webdriver.common.by import By

serv_obj = Service("D:\\Y.R.GSIR\\Driver\\chromedriver.exe")
driver = webdriver.Chrome(service=serv_obj)

driver.get("https://www.snapdeal.com/")
driver.get("https://www.amazon.com/")

driver.back() #snapdeal
driver.forward() #amazon

driver.refresh()

driver.quit()

```

TextVSGetAttribute.py

```

from selenium import webdriver
from selenium.webdriver.chrome.service import Service
from selenium.webdriver.common.by import By

serv_obj = Service("D:\\Y.R.G SIR\\Driver\\chromedriver.exe")
driver = webdriver.Chrome(service=serv_obj)

driver.get("https://admin-demo.nopcommerce.com/login")
driver.maximize_window()

# emailbox=driver.find_element(By.XPATH,"//input[@id='Email']")
# emailbox.clear()
# emailbox.send_keys("abc@gmail.com")
#
# print("result of text:",emailbox.text)#printed nothing
# print("result of
get_attribute():",emailbox.get_attribute('value'))#abc@gmail.com

button=driver.find_element(By.XPATH,"//button[normalize-space()='Log in']")
print("result of text:",button.text)#LOG IN
print("result of get_attribute():",button.get_attribute('value'))#printed
nothing
print("result of get_attribute():",button.get_attribute('type'))#submit

input("Press Enter to close the browser...")
driver.quit()

```

ASSIGNMENT-7

Explicitwait.py

```

import undetected_chromedriver as uc
from selenium.webdriver.common.by import By
from selenium.webdriver.support.ui import WebDriverWait
from selenium.webdriver.support import expected_conditions as EC
from selenium.common.exceptions import NoSuchElementException,
ElementNotVisibleException, ElementNotSelectableException
import time

options = uc.ChromeOptions()
driver = uc.Chrome(version_main=141, options=options) # Force ChromeDriver
141

mywait = WebDriverWait(driver, 10,
ignored_exceptions=[NoSuchElementException,
ElementNotVisibleException,
ElementNotSelectableException,
Exception])

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

```

```

searchbox = driver.find_element(By.NAME, "q")
searchbox.send_keys("selenium")
searchbox.submit()

searchlink = mywait.until(EC.presence_of_element_located((By.XPATH,
"//h3[contains(text(),'Selenium')]/ancestor::a")))
searchlink.click()

time.sleep(5)
driver.quit()

```

Implicitwait.py

```

import undetected_chromedriver as uc
from selenium.webdriver.common.by import By
import time

options = uc.ChromeOptions()
driver = uc.Chrome(version_main=141, options=options) # Match Chrome version
141
driver.implicitly_wait(10)

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

searchbox = driver.find_element(By.NAME, "q")
searchbox.send_keys("selenium")
searchbox.submit()

link = driver.find_element(By.XPATH,
"//h3[contains(text(),'Selenium')]/ancestor::a").get_attribute("href")

print("Opening:", link)
driver.get(link)

time.sleep(5)
driver.quit()

```

ASSIGNMENT-8

Handel_link.py

```

from selenium import webdriver
from selenium.webdriver.chrome.service import Service
from selenium.webdriver.common.by import By

serv_obj=Service("D:\\Y.R.G SIR\\Driver\\chromedriver.exe")
driver = webdriver.Chrome(service=serv_obj)

driver.get("https://demo.nopcommerce.com/")
driver.maximize_window()

# click on link

```

```

# driver.find_element(By.LINK_TEXT,"Digital downloads").click()
# driver.find_element(By.PARTIAL_LINK_TEXT,"Digital").click()

# find number of link in a page
# links = driver.find_elements(By.TAG_NAME,'a')
links = driver.find_elements(By.XPATH,'//a')
print("total number of links", len(links)) # total number of links 88

# print all the link names
for link in links:
    print(link.text)

input("Press Enter to close the browser...")
driver.quit()

```

handlebrokenlinks.py

```

# we need to install requests package

import requests as requests
from selenium import webdriver
from selenium.webdriver.chrome.service import Service
from selenium.webdriver.common.by import By

serv_obj=Service("D:\\Y.R.G SIR\\Driver\\chromedriver.exe")
driver = webdriver.Chrome(service=serv_obj)

# driver.get("https://www.deadlinkcity.com/")
driver.get("https://www.wikipedia.org/") # Total number of broken links 372
# driver.get("https://www.selenium.dev/selenium/web/broken_link.html") #Total
number of broken links 0
driver.maximize_window()

# all the link in the webpage
allLinks = driver.find_elements(By.TAG_NAME,'a')
count=0

for link in allLinks:
    url=link.get_attribute('href')
    try:
        res=requests.head(url)
        if res.status_code >= 400:
            print(url, " is broken link")
            count += 1
        else:
            print(url, " is valid link")
    except:
        None

print("Total number of broken links", count)

input("Press Enter to close the browser...")
driver.quit()

```

Handlecheckbox.py

```
from selenium import webdriver
from selenium.webdriver.chrome.service import Service
from selenium.webdriver.common.by import By
import time

serv_obj=Service("D:\\Y.R.G SIR\\Driver\\chromedriver.exe")
driver = webdriver.Chrome(service=serv_obj)

driver.get("https://testautomationpractice.blogspot.com/")
driver.maximize_window()

# 1) select specific checkbox
# driver.find_element(By.XPATH,"//input[@id='monday']").click()

# 2) select all the checkboxes
checkboxes = driver.find_elements(By.XPATH,"//input[@type='checkbox' and contains(@id,'day')]")
print(len(checkboxes)) #7

#Approach-1
# for i in range(len(checkboxes)):
#     checkboxes[i].click()

#Approach-2
for checkbox in checkboxes:
    checkbox.click()

# 3) select multiple checkboxes by choice
# for checkbox in checkboxes:
#     weekname = checkbox.get_attribute('id')
#     if weekname == 'monday' or weekname == 'sunday':
#         checkbox.click()

# 4) select last 2 checkboxes (formula : total_number_of_elements - 2 =
starting index
# for i in range(len(checkboxes)-2,len(checkboxes)): #range(5,7) ---> 6,7
#     checkboxes[i].click()

# 5) select first 2 checkboxes
# for i in range(len(checkboxes)):
#     if i<2:
#         checkboxes[i].click()

# time.sleep(5)
# 6) clearing all the checkboxes
# for checkbox in checkboxes:
#     if checkbox.is_selected():
#         checkbox.click()

input("Press Enter to close the browser...")
driver.quit()
```

handledropdown.py

```
# from selenium import webdriver
# from selenium.webdriver.chrome.service import Service
# from selenium.webdriver.common.by import By
# from selenium.webdriver.support.select import Select
#
# serv_obj=Service("D:\\Y.R.G SIR\\Driver\\chromedriver.exe")
# driver = webdriver.Chrome(service=serv_obj)
#
# driver.get("https://www.opencart.com/index.php?route=account/register")
#
# driver.maximize_window()
#
# # dropcountry_ele = driver.find_element(By.XPATH,"//select[@id='input-
country']")
# drpcountry = Select(driver.find_element(By.XPATH,"//select[@id='input-
country']"))
#
# #select option from the dropdown
# # drpcountry.select_by_visible_text("Argentina")
# # drpcountry.select_by_value("10") #Argentina
# # drpcountry.select_by_index(13) #index
#
# # capture all the options and print them
# alloptions = drpcountry.options
# print("total number of options:",len(alloptions))
#
# for opt in alloptions:
#     print(opt.text)
#
# #select option from dropdown without using built-in method
# # for opt in alloptions:
# #     if opt.text=="india":
# #         opt.click()
# #         break
#
#
# alloptions = driver.find_elements(By.XPATH,'//*[@id="input-
country"]/option')
# print(len(alloptions))
#
#
# input("Press Enter to close the browser...")
# driver.quit()

from selenium import webdriver
from selenium.webdriver.chrome.service import Service
from selenium.webdriver.common.by import By
from selenium.webdriver.support.select import Select

serv_obj = Service("D:\\Y.R.G SIR\\Driver\\chromedriver.exe")
driver = webdriver.Chrome(service=serv_obj)

# Open test site with dropdown
```

```

driver.get("https://omayo.blogspot.com/")
driver.maximize_window()

# Locate dropdown
drp = Select(driver.find_element(By.ID, "drop1"))

# Print all options
alloptions = drp.options
print("Total options:", len(alloptions))
for opt in alloptions:
    print(opt.text)

# Example: select "doc 3"
drp.select_by_visible_text("doc 3")

input("Press Enter to close the browser...")
driver.quit()

```

ASSIGNMENT-9

Alerts.py

```

from selenium import webdriver
from selenium.webdriver.chrome.service import Service
from selenium.webdriver.common.by import By
import time

serv_obj=Service("D:\\Y.R.G SIR\\Driver\\chromedriver.exe")
driver = webdriver.Chrome(service=serv_obj)

driver.get("https://the-internet.herokuapp.com/javascript_alerts")
driver.maximize_window()

# opens alert window
driver.find_element(By.XPATH,"//button[normalize-space()='Click for JS Prompt']").click()
time.sleep(5)

alertwindow = driver.switch_to.alert

print(alertwindow.text)
alertwindow.send_keys("Welcome")

# alertwindow.accept() #close alert window by using ok button
# alertwindow.dismiss() #close alert window by using cancel button

input("Press Enter to close the browser...")
driver.quit()

```

Alerts-2.py

```

from selenium import webdriver
from selenium.webdriver.chrome.service import Service
from selenium.webdriver.common.by import By
import time

serv_obj=Service("D:\\Y.R.G SIR\\Driver\\chromedriver.exe")
driver = webdriver.Chrome(service=serv_obj)

driver.get("https://mypage.rediff.com/login/dologin")
driver.maximize_window()

# time.sleep(5)

# opens alert window
driver.find_element(By.XPATH,"//input[@id='btnLogin']").click() #submit
button
time.sleep(5)

driver.switch_to.alert.accept()

# input("Press Enter to close the browser...")
driver.quit()

```

authantixatedpopup.py

```

# from selenium import webdriver
# from selenium.webdriver.chrome.service import Service
#
# serv_obj=Service("D:\\Y.R.G SIR\\Driver\\chromedriver.exe")
# driver = webdriver.Chrome(service=serv_obj)
#
# # driver.get("https://the-internet.herokuapp.com/basic_auth") #--- original
url
# driver.get("https://admin:admin@the-internet.herokuapp.com/basic_auth") #--
- authenticated url
# driver.maximize_window()
#
#
# input("Press Enter to close the browser...")
# driver.quit()

from selenium import webdriver
from selenium.webdriver.chrome.service import Service
import time

# Path to your ChromeDriver
serv_obj = Service("D:\\Y.R.G SIR\\Driver\\chromedriver.exe")
driver = webdriver.Chrome(service=serv_obj)

# Open the site with embedded credentials
driver.get("http://admin:admin@the-internet.herokuapp.com/basic_auth")
driver.maximize_window()

# Print page message to confirm login
print(driver.find_element("xpath", "//p").text)

```



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

HandleBrowserWindows.py

```
"""
from selenium import webdriver
from selenium.webdriver.chrome.service import Service
from selenium.webdriver.common.by import By
import time

serv_obj = Service(r"D:\Y.R.G SIR\Driver\chromedriver.exe")
driver = webdriver.Chrome(service=serv_obj)

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

windowid = driver.current_window_handle
print(windowid)  #FD76528BD076EE7C6A31E204EE42E50B

time.sleep(2)
driver.quit()
"""

from selenium import webdriver
from selenium.webdriver.chrome.service import Service
from selenium.webdriver.common.by import By
import time

serv_obj = Service(r"D:\\Y.R.G SIR\\Driver\\chromedriver.exe")
driver = webdriver.Chrome(service=serv_obj)

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

time.sleep(5)  # wait to make sure footer link loads

# click footer link
# driver.find_element(By.LINK_TEXT, "OrangeHRM").click()
driver.find_element(By.LINK_TEXT, "OrangeHRM, Inc").click()
windowIDs = driver.window_handles

#Approach-1
parentwindowID = windowIDs[0]
childwindowID = windowIDs[1]

print("Parent:", parentwindowID)  #D492A2ACEC4D555FCE1C976F027098BA
print("Child :", childwindowID)  #087C2EA07C6489FC8214403FD769576F

driver.switch_to.window(childwindowID)
print("title of the child window", driver.title)

driver.switch_to.window(parentwindowID)
```

```

print("title of the parent window",driver.title)

#Approach-2
# for winid in windowIDs:
#     driver.switch_to.window(winid)
#     print(driver.title)

# Close specific window based on choice
# close parent page
# time.sleep(2)
# for winid in windowIDs:
#     driver.switch_to.window(winid)
#     if driver.title == "OrangeHRM":
#         driver.close()

# time.sleep(2)
# #close the child page
# for winid in windowIDs:
#     driver.switch_to.window(winid)
#     if driver.title == "Human Resources Management Software | HRMS |
OrangeHRM":
#     # if driver.title == "Human Resources Management Software | HRMS |
OrangeHRM" or driver.title=='XYZ':
#         driver.close()

time.sleep(2)
driver.quit()

```

handleframes.py

```

from selenium import webdriver
from selenium.webdriver.chrome.service import Service
from selenium.webdriver.common.by import By
import time

# Path to your ChromeDriver
serv_obj = Service(r"D:\\Y.R.G SIR\\Driver\\chromedriver.exe")
driver = webdriver.Chrome(service=serv_obj)

# Open Java 8 Selenium API docs (with frames)
driver.get("https://www.javadoc.io/static/org.seleniumhq.selenium/selenium-api/3.141.59/index.html")
driver.maximize_window()

# Switch to packageListFrame
driver.switch_to.frame("packageListFrame")
driver.find_element(By.LINK_TEXT, "org.openqa.selenium").click()
driver.switch_to.default_content()

# Switch to packageFrame
driver.switch_to.frame("packageFrame")
driver.find_element(By.LINK_TEXT, "WebDriver").click()
driver.switch_to.default_content()

# Switch to classFrame
driver.switch_to.frame("classFrame")

```

```

driver.find_element(By.XPATH, "/html/body/div[1]/ul/li[7]/a").click()

print("☐ Index link clicked successfully!")

time.sleep(5)
driver.quit()

```

innerframes.py

```

from selenium import webdriver
from selenium.webdriver.chrome.service import Service
from selenium.webdriver.common.by import By
import time

# Path to your ChromeDriver
serv_obj = Service(r"D:\Y.R.G SIR\Driver\chromedriver.exe")
driver = webdriver.Chrome(service=serv_obj)

# Open Java 8 Selenium API docs (with frames)
driver.get("https://demo.automationtesting.in/Frames.html")
driver.maximize_window()

driver.find_element(By.XPATH, "//a[normalize-space()='Iframe with in an Iframe']").click()

outerframe =
driver.find_element(By.XPATH, "//iframe[@src='MultipleFrames.html']")
driver.switch_to.frame(outerframe)

innerframe =
driver.find_element(By.XPATH, "/html/body/section/div/div/iframe")
driver.switch_to.frame(innerframe)

driver.find_element(By.XPATH, "//input[@type='text']").send_keys("welcome")

# driver.switch_to.parent_frame() # directly switch to parent
frame(outerframe)

input("Press Enter to close the browser...")
driver.quit()

```

ASSIGNMENT-10

future_datepicker.py

```

from selenium import webdriver
from selenium.webdriver.chrome.service import Service
from selenium.webdriver.common.by import By
import time

# Path to your ChromeDriver
serv_obj = Service(r"D:\Y.R.G SIR\Driver\chromedriver.exe")

```

```

driver = webdriver.Chrome(service=serv_obj)

driver.get("https://jqueryui.com/datepicker/")
driver.maximize_window()

driver.switch_to.frame(0)

# mm/dd/yyyy
#driver.find_element(By.XPATH,"//*[@id='datepicker']").send_keys("05/30/2022"
)

# FUTURE DATE PICKER

year = "2026"
month = "March"
date = "30"

driver.find_element(By.XPATH,"//*[@id='datepicker']").click() #pens
datepicker

while True:
    mon = driver.find_element(By.XPATH,"//span[@class='ui-datepicker-
month']").text
    yr = driver.find_element(By.XPATH,"//span[@class='ui-datepicker-
year']").text

    if mon == month and yr == year:
        break;
    else:
        driver.find_element(By.XPATH,"//*[@id='ui-datepicker-
div']/div/a[2]/span").click() #Next Arrow

#select date

dates = driver.find_elements(By.XPATH,"//div[@id='ui-datepicker-
div']//table/tbody/tr/td/a")

for ele in dates:
    if ele.text == date:
        ele.click()
        break

time.sleep(5)

```

new_example_datepicker.py

```

from selenium import webdriver
from selenium.webdriver.chrome.service import Service
from selenium.webdriver.common.by import By
from selenium.webdriver.support.select import Select
import time

# Path to your ChromeDriver
serv_obj = Service(r"D:\Y.R.G SIR\Driver\chromedriver.exe")
driver = webdriver.Chrome(service=serv_obj)

```

```

driver.get("https://www.dummyticket.com/dummy-ticket-for-visa-application/")
driver.maximize_window()

#Date of Birth

driver.find_element(By.XPATH,"(//input[@id='dob'])[1]").click()
datepicker_month = Select(driver.find_element(By.XPATH,"//select[@aria-label='Select month']"))
datepicker_month.select_by_visible_text("Dec")

datepicker_year=Select(driver.find_element(By.XPATH,"//select[@aria-label='Select year']"))
datepicker_year.select_by_visible_text("2017")

all_dates = driver.find_elements(By.XPATH,"//div[@id='ui-datepicker-div']//table/tbody/tr/td/a")
for date in all_dates:
    if date.text == "25":
        date.click()
        break

time.sleep(5)

```

NotificationPopUp.py

```

from selenium import webdriver
from selenium.webdriver.chrome.service import Service

serv_obj = Service(r"D:\\Y.R.G SIR\\Driver\\chromedriver.exe")
driver = webdriver.Chrome(service=serv_obj)

driver.get("https://whatmylocation.com")
driver.maximize_window()

input("Press Enter to close the browser...")
driver.quit()

```

previous_datepicker.py

```

from selenium import webdriver
from selenium.webdriver.chrome.service import Service
from selenium.webdriver.common.by import By
import time

# Path to your ChromeDriver
serv_obj = Service(r"D:\\Y.R.G SIR\\Driver\\chromedriver.exe")
driver = webdriver.Chrome(service=serv_obj)

driver.get("https://jqueryui.com/datepicker/")

```

```

driver.maximize_window()

driver.switch_to.frame(0)

# PREVIOUS DATE PICKER

year = "2022"
month = "March"
date = "30"

# year = "2025"
# month = "September"
# date = "21"

driver.find_element(By.XPATH, "//*[@id='datepicker']").click() #pens
datepicker

while True:
    mon = driver.find_element(By.XPATH, "//span[@class='ui-datepicker-
month']").text
    yr = driver.find_element(By.XPATH, "//span[@class='ui-datepicker-
year']").text

    if mon == month and yr == year:
        break;
    else:
        driver.find_element(By.XPATH, "//*[@id='ui-datepicker-
div']/div/a[1]/span").click() #Previous Arrow

#select date

dates = driver.find_elements(By.XPATH, "//div[@id='ui-datepicker-
div']//table/tbody/tr/td/a")

for ele in dates:
    if ele.text == date:
        ele.click()
        break

time.sleep(5)

```

WebTable1.py

```

from selenium import webdriver
from selenium.webdriver.chrome.service import Service
from selenium.webdriver.common.by import By
import time

# Path to your ChromeDriver
serv_obj = Service(r"D:\\Y.R.G SIR\\Driver\\chromedriver.exe")
driver = webdriver.Chrome(service=serv_obj)

driver.get("https://testautomationpractice.blogspot.com/")
driver.maximize_window()

```

```

time.sleep(5)

#1) COUNT NUMBER OF ROWS & COLUMN

NoOfRows =
len(driver.find_elements(By.XPATH,"//table[@name='BookTable']/tr"))
NoOfColumns =
len(driver.find_elements(By.XPATH,"//table[@name='BookTable']/tr[1]/th"))

print("Total Number of Rows: ",NoOfRows)      #7
print("Total Number of Columns: ",NoOfColumns)  #4

#2) READ SPECIFIC ROW & COLUMN DATA

data =
driver.find_element(By.XPATH,"//table[@name='BookTable']/tbody/tr[5]/td[1]").text
print(data)

#3) READ ALL THE ROWS & COLUMNS DATA

print("Printing all the Rows and Columns Data.....")

for r in range(2, NoOfRows + 1):
    for c in range(1, NoOfColumns + 1):
        data =
driver.find_element(By.XPATH,"//table[@name='BookTable']/tbody/tr["+str(r)+"]
/td["+str(c)+"]").text
        print(data,end='          ')
    print()

#4) READ DATA BASED ON CONDITION (LIST BOOKS NAME WHOSE AUTHOR IS MUKESH)

for r in range(2, NoOfRows + 1):
    authorName =
driver.find_element(By.XPATH,"//table[@name='BookTable']/tbody/tr["+str(r)+"]
/td[2]").text
    if authorName == "Mukesh":
        bookName =
driver.find_element(By.XPATH,"//table[@name='BookTable']/tbody/tr["+str(r)+"]
/td[1]").text
        price = driver.find_element(By.XPATH,
"//table[@name='BookTable']/tbody/tr[" + str(r) + "]/td[4]").text
        print(bookName,": ",authorName,": ",price)

```

Number_of_Rows_Column.py

```

from selenium import webdriver
from selenium.webdriver.chrome.service import Service
from selenium.webdriver.common.by import By
import time

serv_obj = Service(r"D:\\Y.R.G SIR\\Driver\\chromedriver.exe")
driver = webdriver.Chrome(service=serv_obj)

```

```
driver.get("https://opensource-  
demo.orangehrmlive.com/web/index.php/auth/login")  
driver.maximize_window()  
  
time.sleep(5)  
  
# LOGIN  
driver.find_element(By.NAME, "username").send_keys("Admin")  
driver.find_element(By.NAME, "password").send_keys("admin123")  
driver.find_element(By.XPATH, "//button[@type='submit']").click()  
  
time.sleep(5)  
  
# Admin → User Management → Users  
driver.find_element(By.XPATH, "//span[text()='Admin']").click()  
time.sleep(3)  
  
rows = len(driver.find_elements(By.XPATH, "//div[@class='oxd-table-  
body']/div"))  
print("Total number of rows in a table:", rows)  
  
count = 0  
for r in range(1, rows + 1):  
    status_xpath = f"//div[@class='oxd-table-  
body']/div[{r}]/div[@role='cell'] [5]"  
    status = driver.find_element(By.XPATH, status_xpath).text  
    if status == "Enabled":  
        count += 1  
  
print("Total number of users:", rows)  
print("Number of enable users:", count)  
print("Number of disable users:", (rows - count))  
  
time.sleep(5)  
driver.close()
```