**1) Write a python program to scrape data for “Data Analyst” Job position in “Bangalore” location. You have to scrape the job-title, job-location, company\_name, experience\_required. You have to scrape first 10 jobs data.**

**# Install Selenium and import necessary libraries**

!pip install selenium

import selenium

from selenium import webdriver

import pandas as pd

from selenium.webdriver.common.by import By

import warnings

warnings.filterwarnings('ignore')

import time

**#By class**

driver = webdriver.Chrome()

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

designation =driver.find\_element(by.CLASS\_NAME,'input')

designation.send\_keys('Data Analyst')

**#By Xpath**

location =driver.find\_element(By.XPATH,"/html/body/div[1]/div[4]/div/div[2]/div[2]/div/form/div/div[1]/ul/li[2]/div/input")

location.send\_keys('Bangalore')

search = driver.find\_element(By.CLASS\_NAME,'btn btn-secondary undefined')

pd.Dataframe('job-title', 'job-location', 'company\_name', 'experience\_required')

**#Blank lists for each required column**

job\_title =[]

job\_location=[]

company\_name =[]

experience\_required =[]

**#Getting tags information**

company\_name\_tags =driver.find\_elements(By.XPATH,'//div[@class="jobCard\_jobCard\_cName\_\_mYnow"]')

**#Scrapping company name from the website**

for i in company\_name\_tags[0:11]:

company = i.text

company\_name.append(company)

experience\_required\_tags =driver.find\_elements(By.XPATH, '//div[@class="jobCard\_jobCard\_lists\_item\_\_YxRkV jobCard\_jobIcon\_\_3FB1t"]'

**#Scrapping Experience required from the website**

for i in experience\_required\_tags [0:11]:

experience = i.text

experience\_required.append(experience)

job\_location\_tags =driver.find\_elements(By.XPATH,

'//div[@class="jobCard\_jobCard\_lists\_item\_\_YxRkV jobCard\_locationIcon\_\_zrWt2"]'

**#Scrapping Job location from the website**

for i in location\_tags[0:11]:

location = i.text

job\_location.append(location)

**#Converting to the data frame**

df= pd.DataFrame({'Title':job\_title, 'Location':job\_location, 'Company':company\_name, Experience': experience\_required})

**2)** **Write a python program to scrape data for “Data Scientist” Job position in“Bangalore”**

**location. You have to scrape the job-title, job-location, company\_name. You have to scrape**

**first 10 jobs data.**

**# Install Selenium and import necessary libraries**

!pip install selenium

import selenium

from selenium import webdriver

import pandas as pd

from selenium.webdriver.common.by import By

import warnings

warnings.filterwarnings('ignore')

import time

**#By class**

driver = webdriver.Chrome()

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

designation =driver.find\_element(by.CLASS\_NAME,'input')

designation.send\_keys('Data Scientist')

**#By Xpath**

location =driver.find\_element(By.XPATH,"/html/body/div[1]/div[4]/div/div[2]/div[2]/div/form/div/div[1]/ul/li[2]/div/input")

location.send\_keys('Bangalore')

search = driver.find\_element(By.CLASS\_NAME,'btn btn-secondary undefined')

pd.Dataframe('job-title', 'job-location', 'company\_name', 'experience\_required')

**#Blank lists for each required column**

job\_title =[]

job\_location=[]

company\_name =[]

experience\_required =[]

**#Getting tags information**

company\_name\_tags =driver.find\_elements(By.XPATH,'//div[@class="jobCard\_jobCard\_cName\_\_mYnow"]')

**#Scrapping company name from the website**

for i in company\_name\_tags[0:11]:

company = i.text

company\_name.append(company)

experience\_required\_tags =driver.find\_elements(By.XPATH, '//div[@class="jobCard\_jobCard\_lists\_item\_\_YxRkV jobCard\_jobIcon\_\_3FB1t"]'

**#Scrapping Experience required from the website**

for i in experience\_required\_tags [0:11]:

experience = i.text

experience\_required.append(experience)

job\_location\_tags =driver.find\_elements(By.XPATH,

'//div[@class="jobCard\_jobCard\_lists\_item\_\_YxRkV jobCard\_locationIcon\_\_zrWt2"]'

**#Scrapping Job location from the website**

for i in location\_tags[0:11]:

location = i.text

job\_location.append(location)

**#Converting to the data frame**

df= pd.DataFrame({'Title':job\_title, 'Location':job\_location, 'Company':company\_name, Experience': experience\_required})

**4) Scrape data of first 100 sunglasses listings on flipkart.com. You have to scrape four attributes:**

**Brand**

**ProductDescription**

**Price**

**The attributes which you have to scrape is ticked marked in the below image.**

**# Install Selenium and import necessary libraries**

! pip install selenium

import selenium

import pandas as pd

from selenium import webdriver

**#Search field entry by Class Name**

driver = webdriver.Chrome()

driver.get("http://www.flipkart.com/")

designation =driver.find\_element(by.CLASS\_NAME,'\_3704LK')

designation.send\_keys('sunglasses')

**#Search button xpath**

search\_btn =driver.find\_element\_by\_xpath("//button[@class='L0Z3Pu']")

**#Search button by Class**

search\_btn=driver.find\_element\_by\_class\_name('L0Z3Pu')

search\_btn.click()

**#Blank lists for each required column**

Brand\_name=[]

Product\_desc=[]

Price=[]

for i in range(3):

brand=driver.find\_elements\_by\_xpath("//div[@class='\_2WkVRV']")

product=driver.find\_elements\_by\_xpath("//a[@class='IRpwTa']")

price =driver.find\_elements\_by\_xpath("//div[@class='\_25b18c']")

for j in brand:

Brand\_name.append(j.text)

Brand\_name[:100]

for k in product:

Product\_desc.append(k.text)

Product\_desc[:100]

for l in price:

Price.append(l.price)

Price[:100]

**#Creating a dataframe**

df= pd.DataFrame({'Brand':Brand\_name, 'Product Description':Product\_desc, 'Price':Price})

**6) Scrape data forfirst 100 sneakers you find whenyou visit flipkart.com and search for “sneakers” inthe**

**search field.**

**You have to scrape 3 attributes of each sneaker:**

**1. Brand**

**2. ProductDescription**

**3. Price**

**As shown in the below image, you have to scrape the above attributes**

**# Install Selenium and import necessary libraries**

! pip install selenium

import selenium

import pandas as pd

from selenium import webdriver

**#Search field entry by Class Name**

driver = webdriver.Chrome()

driver.get("http://www.flipkart.com/")

designation =driver.find\_element(by.CLASS\_NAME,'\_3704LK')

designation.send\_keys('sneakers')

**#Search button click**

search\_btn=driver.find\_element\_by\_xpath("//button[@class='L0Z3Pu']")

search\_btn=driver.find\_element\_by\_class\_name('L0Z3Pu')

search\_btn.click()

**#Blank lists for each required column**

Brand\_name=[]

Product\_desc=[]

Price=[]

for i in range(3):

brand=driver.find\_elements\_by\_xpath("//div[@class='\_2WkVRV']")

productc=driver.find\_elements\_by\_xpath("//a[@class='IRpwTa']")

price =driver.find\_elements\_by\_xpath("//div[@class='\_25b18c']")

for j in brand:

brand\_name.append(j.text)

brand\_name[:100]

for k in product:

product\_desc.append(k.text)

product\_desc[:100]

for l in price:

Price.append(l.text)

Price[:100]

**7) : Go to webpage** [**https://www.amazon.in/**](https://www.amazon.in/) **Enter “Laptop” in the search field and then click**

**the search icon. Then set CPU Type filter to “Intel Core i7” as shown in the below image:**

**# Install Selenium and import necessary libraries**

! pip install selenium

import selenium

import pandas as pd

from selenium import webdriver

**#Search field entry by Class Name**

driver = webdriver.Chrome()

driver.get("https://www.amazon.in")

designation =driver.find\_element(by.CLASS\_NAME,'nav-input nav-progressive-attribute')

designation.send\_keys('Laptop')

search\_button=driver.find\_element\_by\_xpath("//input[@id='nav-search-submit-button']")

search\_button=driver.find\_element\_by\_xpath("//input[@id='nav-search-submit-button']")

**#Blank lists for each required column**

Title=[]

Price=[]

Rating=[]

for i in range(3):

name=driver.find\_elements\_by\_xpath("//div[@class='\_2WkVRV']")

desc=driver.find\_elements\_by\_xpath("//a[@class='IRpwTa']")

price =driver.find\_elements\_by\_xpath("//div[@class='\_25b18c']")

for j in name:

Title.append(j.text)

Title[:100]

for k in desc:

P\_desc.append(k.text)

P\_desc[:100]

for l in price:

Price.append(l.text)

Price[:100]

**8) Write a python program to scrape data for Top 1000 Quotes of All Time. The above task will**

**be done in following steps:**

**1. First get the webpagehttps://www.azquotes.com/**

**2. Click on TopQuotes**

**# Install Selenium and import necessary libraries**

! pip install selenium

import selenium

import pandas as pd

from selenium import webdriver

**#Search field entry by Class Name**

driver = webdriver.Chrome()

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