This notebook is for the answers to assignment no.2 of web scrapping using Selenium Instructions

- 1. All the questions must be done in a single Jupyter notebook.
- 2. There should be proper comments in code.

Question 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.

This task will be done in following steps:

- 1. First get the webpage https://www.naukri.com/
- 2. Enter "Data Analyst" in "Skill, Designations, Companies" field and enter "Bangalore" in "enter the location" field.
- 3. Then click the search button.
- 4. Then scrape the data for the first 10 jobs results you get.
- 5. Finally create a dataframe of the scraped data.

Note: All of the above steps have to be done in code. No step is to be done manually.

```
In [1]:
    # Importing Necessary Libraries
    import selenium
    from selenium import webdriver as wd
    import pandas as pd
    import warnings
    warnings.filterwarnings("ignore")
```

Question 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. This task will be done in following steps:

- 1. First get the webpage https://www.naukri.com/
- 2. Enter "Data Analyst" in "Skill, Designations, Companies" field and enter "Bangalore" in "enter the location" field.
- 3. Then click the search button.
- 4. Then scrape the data for the first 10 jobs results you get.
- 5. Finally create a dataframe of the scraped data.

Note: All of the above steps have to be done in code. No step is to be done manually.

```
In [2]:
         # Connecting to a webdriver
         driver=wd.Chrome(r'D:\Internship\Web Scraping\Web Scraping 2\chromedriver.exe')
         url='https://www.naukri.com/'
                                               # Defining the url
         driver.get(url)
                                                # opening the url in our test chrome explorer
         search_title= driver.find_element_by_class_name("suggestor-input") # To find the we
         search_title
                                                                              # calling the we
         search_loc= driver.find_element_by_xpath("/html/body/div[1]/div[2]/div[3]/div/div/di
         search_loc
         search_title.send_keys("Data Analyst") # Entering Values in Search Title
         search loc.send keys("Bangalore")
                                                  # Entering Value in Location field
In [3]:
         # Finding search button using absolute Xpath
         search= driver.find_element_by_xpath("/html/body/div[1]/div[2]/div[3]/div/div/div[6]
         search
         # Clicking the search button
         search.click()
In [6]:
         # Extracting Job Titles
         job_titles= driver.find_elements_by_xpath('//a[@class="title fw500 ellipsis"]')
         job=[]
         for i in job_titles:
             job.append(i.text)
         # Extracting companies
         job_company= driver.find_elements_by_xpath('//a[@class="subTitle ellipsis fleft"]')
         company=[]
         for i in job_company:
             company.append(i.text)
         # Extracting location and experience
         job loc= driver.find elements by xpath('//span[@class="ellipsis fleft fs12 lh16 "]')
         col=[]
         for i in job loc:
             col.append(i.text)
         loc=col[3:42:3] + col[46:55:3]
         exp=col[1:41:3] + col[44:55:3]
In [7]:
         table= pd.DataFrame({"Job Title":job[0:10], "Company":company[0:10], "Location":loc[
         print(table)
                                                    Job Title \
                                              Data Analyst I
        1
           Data Science / Data Engineer / Business Analys...
                                    Sr.Business Data Analyst
```

```
3
                                  Senior Data Analyst
4
                                      Sr Data Analyst
5
              Data Analyst - IIM/ISB/MDI/FMS/SP Jain
6
  Data Analyst / Business analyst - US MNC (anal...
7
                       Business Analyst/Data Analyst
8
                                  Junior Data Analyst
9
                        Senior Data Analysis Analyst
                                                              Location \
                                   Company
0
                                                              0-3 Yrs
                                    Cerner
  NETWORTH DATA PRODUCTS PRIVATE LIMITED
1
                                                        Not disclosed
2
                                                  Bangalore/Bengaluru
                                 Collabera
3
                Hudsons bay Company (HBC)
                                                  Bangalore/Bengaluru
4
                           Thomson Reuters
                                                  Bangalore/Bengaluru
5
              K12 Techno Services Pvt Ltd
                                                        Not disclosed
6
                       Aspyra HR Services
                                                        Not disclosed
7
                     Telamon HR Solutions 10,00,000 - 20,00,000 PA.
                                  ICF Next
8
                                                        Not disclosed
                                              1,75,000 - 4,75,000 PA.
9
                                     Capco
                                           Experience
a
                                        Not disclosed
                              4,00,000 - 6,50,000 PA.
1
2
                                              3-4 Yrs
3
                                              5-8 Yrs
4
                                              4-9 Yrs
5
                            10,00,000 - 20,00,000 PA.
6
   Bangalore/Bengaluru, Hyderabad/Secunderabad, D...
7
                      Bangalore/Bengaluru, New Delhi
8
                  Bangalore/Bengaluru, Pune, Chennai
9
                                  Bangalore/Bengaluru
```

Question 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. This task will be done in following steps:

- 1. First get the webpage https://www.naukri.com/
- 2. Enter "Data Scientist" in "Skill, Designations, Companies" field and enter "Bangalore" in "enter the location" field.
- 3. Then click the search button.
- 4. Then scrape the data for the first 10 jobs results you get.
- 5. Finally create a dataframe of the scraped data.

Note: All of the above steps have to be done in code. No step is to be done manually.

```
In [8]: # Connecting to a webdriver
driver=wd.Chrome(r'D:\Internship\Web Scraping\Web Scraping 2\chromedriver.exe')
url='https://www.naukri.com/' # Defining the url
driver.get(url) # opening the url in our test chrome explorer
search_title= driver.find_element_by_class_name("suggestor-input ") # To find the we
```

```
# calling the we
          search_title
          search_loc= driver.find_element_by_xpath("/html/body/div[1]/div[2]/div[3]/div/div/di
          search_loc
          search_title.send_keys("Data Scientist") # Entering Values in Search Title
          search_loc.send_keys("Bangalore")
                                                   # Entering Value in Location field
In [9]:
          # Finding search button using absolute Xpath
          search= driver.find_element_by_xpath("/html/body/div[1]/div[2]/div[3]/div/div/div[6]
          # Clicking the search button
          search.click()
In [10]:
          # Extracting Job Titles
          job_titles= driver.find_elements_by_xpath('//a[@class="title fw500 ellipsis"]')
          job=[]
          for i in job_titles:
              job.append(i.text)
          # Extracting companies
          job_company= driver.find_elements_by_xpath('//a[@class="subTitle ellipsis fleft"]')
          company=[]
          for i in job_company:
              company.append(i.text)
          # Extracting location and experience
          job_loc= driver.find_elements_by_xpath('//span[@class="ellipsis fleft fs12 lh16 "]')
          col=[]
          for i in job_loc:
              col.append(i.text)
          # Splitting location and Experience in different lists
          loc = col[2:9:3] + col[12:30:3] + col[34:55:3]
          exp= col[0:7:3] + col[10:29:3] + col[32:54:3]
In [11]:
          table= pd.DataFrame({"Job Title":job[0:10], "Company":company[0:10], "Location":loc[
          print(table)
                                                     Job Title ∖
         0 Urgent Job Opening For AI Practitioner - Data ...
         1
                             Hiring For Senior Data Scientist
         2
                                        Senior Data Scientist
         3
                                            Dataiku Consultant
                      Research and Development -AI/ML -(PhD )
         5
            Opportunity For Data Scientist - Female Candid...
         6
                                 Senior Data Science Engineer
                           Data Science - Engineering Manager
```

```
8
                                       Data Scientist
  Data & Analytics Tech - Informatica Cloud- Sen...
9
                            Company
0
                             Wipro
   TATA CONSULTANCY SERVICES (TCS)
1
2
                        Spiceworks
3
                              Wipro
4
                                EXL
5
                               PayU
6
                 Fractal Analytics
7
                              Paytm
8
                 Applied Materials
9
                                PwC
                                             Location
                                                          Experience
   Bangalore/Bengaluru, Kochi/Cochin, New Delhi, ...
                                                           11-21 Yrs
0
                           Bangalore/Bengaluru, Pune
                                                            8-13 Yrs
1
   Bangalore/Bengaluru, Mumbai, Hyderabad/Secunde...
2
                                                              5-7 Yrs
3
                                              4-8 Yrs Not disclosed
4
                                              1-3 Yrs Not disclosed
5
                                              5-9 Yrs Not disclosed
6
                                             9-13 Yrs Not disclosed
7
                                              4-7 Yrs Not disclosed
8
                                             6-10 Yrs Not disclosed
                                        Not disclosed Not disclosed
9
```

Question 3

In this question you have to scrape data using the filters available on the webpage as shown below:

You have to use the location and salary filter.

You have to scrape data for "Data Scientist" designation for first 10 job results.

You have to scrape the job-title, job-location, company name, experience required.

The location filter to be used is "Delhi/NCR". The salary filter to be used is "3-6" lakhs

The task will be done as shown in the below steps:

- 1. first get the webpage https://www.naukri.com/
- 2. Enter "Data Scientist" in "Skill, Designations, and Companies" field.
- 3. Then click the search button.
- 4. Then apply the location filter and salary filter by checking the respective boxes
- 5. Then scrape the data for the first 10 jobs results you get.
- 6. Finally create a dataframe of the scraped data.

Note: All of the above steps have to be done in code. No step is to be done manually.

```
# Connecting to a webdriver
driver=wd.Chrome(r'D:\Internship\Web Scraping\Web Scraping 2\chromedriver.exe')

url='https://www.naukri.com/' # Defining the url
driver.get(url) # opening the url in our test chrome explorer
```

```
search_title= driver.find_element_by_class_name("suggestor-input") # To find the we
          search title
                                                                               # calling the we
          search loc= driver.find element by xpath("/html/body/div[1]/div[2]/div[3]/div/div/di
          search loc
          search_title.send_keys("Data Scientist") # Entering Values in Search Title
          # Finding search button using absolute Xpath
          search = driver.find_element_by_xpath("/html/body/div[1]/div[2]/div[3]/div/div/div[6
          search
          # Clicking the search button
          search.click()
In [13]:
          # Using Filters
          # Checking location Delhi/NCR
          loc_chk= driver.find_element_by_xpath("/html/body/div[1]/div[3]/div[2]/section[1]/di
          loc chk.click()
In [14]:
          # Checking salary 3-6 Lakhs
          sal_chk= driver.find_element_by_xpath('/html/body/div[1]/div[3]/div[2]/section[1]/di
          sal chk.click()
In [15]:
          # Extracting Job Titles
          job titles= driver.find elements by xpath('//a[@class="title fw500 ellipsis"]')
          job=[]
          for i in job_titles:
              job.append(i.text)
          # Extracting companies
          job company= driver.find elements by xpath('//a[@class="subTitle ellipsis fleft"]')
          company=[]
          for i in job company:
              company.append(i.text)
          # Extracting location and experience
          loc exp= driver.find elements by xpath('//span[@class="ellipsis fleft fs12 lh16 "]')
          col=[]
          for i in loc exp:
              col.append(i.text)
          # Splitting location and Experience in different lists
          loc = col[2:8:3] + col[12:28:3] + col[31:55:3]
          exp = col[0:6:3] + col[10:25:3] + col[29:55:3]
          table= pd.DataFrame({"Job Title":job[0:10], "Company":company[0:10], "Location":loc[
          print(table)
```

```
Job Title
a
              DigitalBCG GAMMA Data Scientist
1
             Data Scientist - Noida/Bangalore
2
              Senior Associate - Data Science
3
 Data Scientist For Healthcare Product team
4 Data Scientist For Healthcare Product team
5
               Data Scientist - MIND Infotech
6
                       Data Science Associate
7
            Data Scientist - Engine Algorithm
8
                     Knowledge/Data Scientist
9
                               Data Scientist
                                     Company
                                                                     Location \
0
                    Boston Consulting Group New Delhi, Bangalore/Bengaluru
1
                                                  Noida, Bangalore/Bengaluru
2
                               Black Turtle
                                                                      2-7 Yrs
3
                   SECUREKLOUD TECHNOLOGIES
                                                                      4-8 Yrs
                                                                      2-4 Yrs
4
                   SECUREKLOUD TECHNOLOGIES
5
                                                                      1-3 Yrs
  MOTHERSONSUMI INFOTECH & DESIGNS LIMITED
6
                              Kreate Energy
                                                                      3-6 Yrs
7
                                                                      2-4 Yrs
                               Primo Hiring
8
                    BOLD Technology Systems
                                                               Not disclosed
    Mount Talent Consulting Private Limited
9
                                                                      2-5 Yrs
                               Experience
0
                                   2-5 Yrs
                                  5-10 Yrs
1
2
                            Not disclosed
3
                            Not disclosed
4
                            Not disclosed
5
                  4,00,000 - 8,00,000 PA.
                            Not disclosed
7
  Delhi / NCR, Pune, Bangalore/Bengaluru
  Delhi / NCR, Pune, Bangalore/Bengaluru
                            Not disclosed
```

Question 4

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

- 1. Brand
- 2. Product Description
- 3. Price

The attributes which you have to scrape is ticked marked in the below image. To scrape the data you have to go through following steps:

- 1. Go to Flipkart webpage by url: https://www.flipkart.com/
- 2. Enter "sunglasses" in the search field where "search for products, brands and more" is written and click the search icon
- 3. After that you will reach to the page having a lot of sunglasses. From this page you can scrap the required data as usual.
- 4. After scraping data from the first page, go to the "Next" Button at the bottom other page, then click on it.
- 5. Now scrape data from this page as usual

6. Repeat this until you get data for 100 sunglasses.

Note: That all of the above steps have to be done by coding only and not manually.

```
In [16]:
          # Connecting to a webdriver
          driver=wd.Chrome(r'D:\Internship\Web Scraping\Web Scraping 2\chromedriver.exe')
          url='https://www.flipkart.com/'
                                                 # Defining the url
          driver.get(url)
                                                 # opening the url in our test chrome explorer
In [17]:
          # closing the login in pop-up
          close= driver.find_element_by_xpath("/html/body/div[2]/div/div/button")
          close.click()
In [18]:
          # To find the web element - search title field
          search_title= driver.find_element_by_xpath("/html/body/div[1]/div/div[1]/div[1]/div[
          search_title
                                                                               # calling the we
          search title.send keys("sunglasses") # Entering Values in Search Title
In [19]:
          # Finding search button using absolute Xpath
          search = driver.find_element_by_xpath("/html/body/div[1]/div/div[1]/div[1]/div[2]/di
          search
          # Clicking the search button
          search.click()
In [20]:
          # Extracting Brand Titles
          brand_title= driver.find_elements_by_xpath('//div[@class="_2WkVRV"]')
          brand=[]
          for i in brand_title:
              brand.append(i.text)
          # Extracting Product
          prod_rows= driver.find_elements_by_xpath('//a[@class="IRpwTa"]')
          prod=[]
          for i in prod_rows:
              prod.append(i.text)
          # Extracting Price
          price rows= driver.find elements by xpath('//div[@class=" 30jeq3"]')
          price=[]
          for i in price rows:
              price.append(i.text)
          # Extracting Discount
```

disc_rows= driver.find_elements_by_xpath('//div[@class="_3Ay6Sb"]')

```
disc=[]
          for i in disc_rows:
              disc.append(i.text)
In [21]:
          # Finding Next button using absolute Xpath
          nextb = driver.find_element_by_xpath("/html/body/div[1]/div/div[3]/div[1]/div[2]/div
          nextb
          # Clicking the Next button
          nextb.click()
In [22]:
          # Extracting Brand Titles
          brand_title= driver.find_elements_by_xpath('//div[@class="_2WkVRV"]')
          brand2=[]
          for i in brand_title:
              brand2.append(i.text)
          # Extracting Product
          prod_rows= driver.find_elements_by_xpath('//a[@class="IRpwTa"]')
          prod2=[]
          for i in prod_rows:
              prod2.append(i.text)
          # Extracting Price
          price_rows= driver.find_elements_by_xpath('//div[@class="_30jeq3"]')
          price2=[]
          for i in price_rows:
              price2.append(i.text)
          # Extracting Discount
          disc_rows= driver.find_elements_by_xpath('//div[@class="_3Ay6Sb"]')
          disc2=[]
          for i in disc_rows:
              disc2.append(i.text)
In [23]:
          # Clicking the Next button
          nextb.click()
In [24]:
          # Extracting Brand Titles
          brand_title= driver.find_elements_by_xpath('//div[@class="_2WkVRV"]')
```

```
brand3=[]
          for i in brand_title:
              brand3.append(i.text)
          # Extracting Product
          prod_rows= driver.find_elements_by_xpath('//a[@class="IRpwTa"]')
          prod3=[]
          for i in prod_rows:
              prod3.append(i.text)
          # Extracting Price
          price_rows= driver.find_elements_by_xpath('//div[@class="_30jeq3"]')
          price3=[]
          for i in price_rows:
              price3.append(i.text)
          # Extracting Discount
          disc_rows= driver.find_elements_by_xpath('//div[@class="_3Ay6Sb"]')
          disc3=[]
          for i in disc_rows:
              disc3.append(i.text)
In [25]:
          # Comabining results and limiting records till 100 rows
          brands=brand+brand2+brand3[0:20]
          prices=price+price2+price3[0:20]
          prods=prod+prod2+prod3[0:20]
          discs=disc+disc2+disc3[0:20]
In [26]:
          # Creating DataFrame
          table=pd.DataFrame({"Brand":brands,"Product Description":prods,"Price":prices,"Disco
          print(table)
                      Brand
                                                           Product Description
                                                                                  Price
         0
             VINCENT CHASE by Lenskart Polarized, UV Protection Rectangul...
                                                                                   ₹749
                                     UV Protection Rectangular Sunglasses (52)
         1
             VINCENT CHASE
                                                                                   ₹649
         2
                  DAHAAZIL UV Protection, Night Vision, Riding Glasses Wa...
                                                                                   ₹177
         3
                 New Specs
                             UV Protection Rectangular Sunglasses (Free Size)
                                                                                   ₹264
                                         UV Protection Aviator Sunglasses (54)
         4
                    PIRASO
                                                                                   ₹249
                 ROYAL SON
                               Polarized, UV Protection Sports Sunglasses (68)
         95
                                                                                 ₹1,234
                 ROYAL SON UV Protection, Gradient Butterfly Sunglasses (62)
         96
                                                                                   ₹699
         97
              Silver Kartz
                                 UV Protection Wayfarer Sunglasses (Free Size)
                                                                                   ₹288
                                         UV Protection Aviator Sunglasses (57)
         98
                    GANSTA
                                                                                   ₹314
                 ROYAL SON Polarized, UV Protection Retro Square Sunglass...
         99
                                                                                   ₹664
            Discount
         0
             62% off
             67% off
         1
         2
             82% off
         3
             89% off
         4
             84% off
```

```
95 50% off
96 65% off
97 80% off
98 84% off
99 55% off
[100 rows x 4 columns]
```

Question 5

Scrape 100 reviews data from flipkart.com for iphone11 phone.

This task will be done in following steps:

- 1. First get the webpage https://www.flipkart.com/
- 2. Enter "iphone 11" in "Search" field.
- 3. Then click the search button.

You will reach to the below shown webpage

As shown in the above page you have to scrape the tick marked attributes. These are:

- 1. Rating
- 2. Review summary
- 3. Full review
- 4. You have to scrape this data for first 100 reviews.

Note: All the steps required during scraping should be done through code only and not manually.

```
In [27]: # Connecting to a webdriver
    driver=wd.Chrome(r'D:\Internship\Web Scraping\Web Scraping 2\chromedriver.exe')
    url='https://www.flipkart.com/apple-iphone-11-black-64-gb-includes-earpods-power-ada
    driver.get(url) # opening the url in our test chrome explore

In [28]: # Extracting Ratings
    rating_row= driver.find_elements_by_xpath('//div[@class="_3LWZlK _1BLPMq"]')
    ratings=[]
    for i in rating_row:
        ratings.append(i.text)

# Extracting Review Summary
    review_sum= driver.find_elements_by_class_name("_2-N8zT")
```

```
review=[]
          for i in review_sum:
              review.append(i.text)
          # Extracting Full Reeview
          review_full= driver.find_elements_by_xpath('//div[@class="t-ZTKy"]')
          full=[]
          for i in review_full:
              full.append(i.text)
In [30]:
          # Finding Next button using absolute Xpath
          nextb = driver.find_element_by_xpath('/html/body/div/div/div[3]/div/div/div[2]/div[1
          # Clicking the Next button
          nextb.click()
In [31]:
          # Extracting Ratings
          rating_row= driver.find_elements_by_xpath('//div[@class="_3LWZIK _1BLPMq"]')
          ratings2=[]
          for i in rating row:
              ratings2.append(i.text)
          # Extracting Review Summary
          review_sum= driver.find_elements_by_class_name("_2-N8zT")
          review2=[]
          for i in review sum:
              review2.append(i.text)
          # Extracting Full Reeview
          review_full= driver.find_elements_by_class_name("t-ZTKy")
          full2=[]
          for i in review full:
              full2.append(i.text)
In [33]:
          # Finding Next button using absolute Xpath
          nextb = driver.find element by xpath('/html/body/div/div/div[3]/div/div[2]/div[1
          nextb
          # Clicking the Next button
          nextb.click()
In [34]:
          # Extracting Ratings
          rating_row= driver.find_elements_by_xpath('//div[@class="_3LWZIK _1BLPMq"]')
          ratings3=[]
          for i in rating_row:
              ratings3.append(i.text)
          # Extracting Review Summary
```

```
review_sum= driver.find_elements_by_class_name("_2-N8zT")
          review3=[]
          for i in review sum:
              review3.append(i.text)
          # Extracting Full Reeview
          review_full= driver.find_elements_by_class_name("t-ZTKy")
          full3=[]
          for i in review full:
              full3.append(i.text)
In [36]:
          # Finding Next button using absolute Xpath
          nextb = driver.find_element_by_xpath('/html/body/div/div/div[3]/div/div/div[2]/div[1
          nextb
          # Clicking the Next button
          nextb.click()
In [37]:
          # Extracting Ratings
          rating row= driver.find_elements_by_xpath('//div[@class="_3LWZlK _1BLPMq"]')
          ratings4=[]
          for i in rating_row:
              ratings4.append(i.text)
          # Extracting Review Summary
          review_sum= driver.find_elements_by_class_name("_2-N8zT")
          review4=[]
          for i in review_sum:
              review4.append(i.text)
          # Extracting Full Reeview
          review full= driver.find elements by class name("t-ZTKy")
          full4=[]
          for i in review full:
              full4.append(i.text)
In [39]:
          # Finding Next button using absolute Xpath
          nextb = driver.find_element_by_xpath('/html/body/div/div/div[3]/div/div/div[2]/div[1]
          nextb
          # Clicking the Next button
          nextb.click()
In [40]:
          # Extracting Ratings
          rating_row= driver.find_elements_by_xpath('//div[@class="_3LWZIK _1BLPMq"]')
          ratings5=[]
          for i in rating_row:
              ratings5.append(i.text)
```

```
# Extracting Review Summary
          review sum= driver.find elements by class name(" 2-N8zT")
          review5=[]
          for i in review sum:
              review5.append(i.text)
          # Extracting Full Reeview
          review_full= driver.find_elements_by_class_name("t-ZTKy")
          full5=[]
          for i in review_full:
              full5.append(i.text)
In [42]:
          # Finding Next button using absolute Xpath
          nextb = driver.find_element_by_xpath('/html/body/div/div/div[3]/div/div/div[2]/div[1
          nextb
          # Clicking the Next button
          nextb.click()
In [43]:
          # Extracting Ratings
          rating_row= driver.find_elements_by_xpath('//div[@class="_3LWZIK _1BLPMq"]')
          ratings6=[]
          for i in rating_row:
              ratings6.append(i.text)
          # Extracting Review Summary
          review_sum= driver.find_elements_by_class_name("_2-N8zT")
          review6=[]
          for i in review sum:
              review6.append(i.text)
          # Extracting Full Reeview
          review_full= driver.find_elements_by_class_name("t-ZTKy")
          full6=[]
          for i in review_full:
              full6.append(i.text)
In [45]:
          # Finding Next button using absolute Xpath
          nextb = driver.find_element_by_xpath('/html/body/div/div/div[3]/div/div/div[2]/div[1
          nextb
          # Clicking the Next button
          nextb.click()
In [46]:
          # Extracting Ratings
          rating_row= driver.find_elements_by_xpath('//div[@class="_3LWZIK _1BLPMq"]')
```

```
ratings7=[]
          for i in rating_row:
              ratings7.append(i.text)
          # Extracting Review Summary
          review_sum= driver.find_elements_by_class_name("_2-N8zT")
          review7=[]
          for i in review_sum:
              review7.append(i.text)
          # Extracting Full Reeview
          review_full= driver.find_elements_by_class_name("t-ZTKy")
          full7=[]
          for i in review_full:
              full7.append(i.text)
In [48]:
          # Finding Next button using absolute Xpath
          nextb = driver.find_element_by_xpath('/html/body/div/div/div[3]/div/div/div[2]/div[1
          nextb
          # Clicking the Next button
          nextb.click()
In [49]:
          # Extracting Ratings
          rating_row= driver.find_elements_by_xpath('//div[@class="_3LWZIK _1BLPMq"]')
          ratings8=[]
          for i in rating_row:
              ratings8.append(i.text)
          # Extracting Review Summary
          review_sum= driver.find_elements_by_class_name("_2-N8zT")
          review8=[]
          for i in review_sum:
              review8.append(i.text)
          # Extracting Full Reeview
          review_full= driver.find_elements_by_class_name("t-ZTKy")
          full8=[]
          for i in review full:
              full8.append(i.text)
In [51]:
          # Finding Next button using absolute Xpath
          nextb = driver.find_element_by_xpath('/html/body/div/div/div[3]/div/div/div[2]/div[1
          nextb
          # Clicking the Next button
          nextb.click()
In [52]:
          # Extracting Ratings
```

```
rating_row= driver.find_elements_by_xpath('//div[@class="_3LWZlK _1BLPMq"]')
          ratings9=[]
          for i in rating row:
              ratings9.append(i.text)
          # Extracting Review Summary
          review_sum= driver.find_elements_by_class_name("_2-N8zT")
          review9=[]
          for i in review sum:
              review9.append(i.text)
          # Extracting Full Reeview
          review_full= driver.find_elements_by_class_name("t-ZTKy")
          full9=[]
          for i in review_full:
              full9.append(i.text)
In [54]:
          # Finding Next button using absolute Xpath
          nextb = driver.find_element_by_xpath('/html/body/div/div/div[3]/div/div/div[2]/div[1
          nextb
          # Clicking the Next button
          nextb.click()
In [55]:
          # Extracting Ratings
          rating_row= driver.find_elements_by_xpath('//div[@class="_3LWZIK _1BLPMq"]')
          ratings10=[]
          for i in rating_row:
              ratings10.append(i.text)
          # Extracting Review Summary
          review_sum= driver.find_elements_by_class_name("_2-N8zT")
          review10=[]
          for i in review_sum:
              review10.append(i.text)
          # Extracting Full Reeview
          review full= driver.find elements by class name("t-ZTKy")
          full10=[]
          for i in review full:
              full10.append(i.text)
In [57]:
          # Finding Next button using absolute Xpath
          nextb = driver.find_element_by_xpath('/html/body/div/div/div[3]/div/div/div[2]/div[1]
```

Clicking the Next button

nextb

nextb.click()

```
In [58]:
          # Extracting Ratings
          rating row= driver.find elements by xpath('//div[@class=" 3LWZlK 1BLPMq"]')
          ratings11=[]
          for i in rating row:
              ratings11.append(i.text)
          # Extracting Review Summary
          review sum= driver.find elements by class name(" 2-N8zT")
          review11=[]
          for i in review sum:
              review11.append(i.text)
          # Extracting Full Reeview
          review full= driver.find elements by class name("t-ZTKy")
          full11=[]
          for i in review full:
              full11.append(i.text)
In [59]:
          tot_ratings= ratings+ratings2+ratings3+ratings4+ratings5+ratings6+ratings7+ratings8+
          tot reviews= review+review2+review3+review4+review5+review6+review7+review8+review9+
          tot full= full+full2+full3+full4+full5+full6+full7+full8+full9+full10+full11
In [61]:
          # Creating DataFrame
          table=pd.DataFrame({"Ratings":tot ratings[0:100], "Reviews Summary":tot reviews[0:100]
          print(table)
            Ratings
                           Reviews Summary \
         0
                  5
                            Simply awesome
         1
                  5
                          Perfect product!
         2
                  5
                     Best in the market!
         3
                  5
                       Highly recommended
         4
                  5
                         Worth every penny
                 . . .
         95
                  5
                          Perfect product!
         96
                  5
                            Classy product
         97
                  5
                         Worth every penny
         98
                  5
                                  Fabulous!
         99
                  5 Mind-blowing purchase
                                           Reviews Description
             Really satisfied with the Product I received.....
             Amazing phone with great cameras and better ba...
             Great iPhone very snappy experience as apple k...
             What a camera .....just awesome ..you can feel...
             Previously I was using one plus 3t it was a gr...
         95 Value for money\n5 star rating\nExcellent came...
         96 Gifted my man on his 30th birthday 👑 He loves ...
         97 It is better to buy iPhone 11 over iPhone 12 i...
         98 Gift this to your loved ones fabulous product ...
         99 awesome Phone Smooth Touch Too good Sexyy look...
         [100 rows x 3 columns]
```

Question 6

Scrape data for first 100 sneakers you find when you visit flipkart.com and search for "sneakers" in the search field.

You have to scrape 4 attributes of each sneaker:

- 1. Brand
- 2. Product Description
- 3. Price

As shown in the below image, you have to scrape the tick marked attributes.

Note: All the steps required during scraping should be done through code only and not manually.

```
In [62]:
          # Connecting to a webdriver
          driver=wd.Chrome(r'D:\Internship\Web Scraping\Web Scraping 2\chromedriver.exe')
          url='https://www.flipkart.com/'
                                                 # Defining the url
          driver.get(url)
                                                # opening the url in our test chrome explorer
          # closing the login in pop-up
          close= driver.find_element_by_xpath("/html/body/div[2]/div/div/button")
          close.click()
          # To find the web element - search title field
          search_title= driver.find_element_by_xpath("/html/body/div[1]/div/div[1]/div[1]/div[
          search_title
                                                                              # calling the we
          search_title.send_keys("sneakers") # Entering Values in Search Title
          # Finding search button using absolute Xpath
          search = driver.find_element_by_xpath("/html/body/div[1]/div/div[1]/div[2]/di
          search
          # Clicking the search button
          search.click()
```

```
In [63]: # Extracting Brand Titles
brand_title= driver.find_elements_by_xpath('//div[@class="_2WkVRV"]')
brand=[]
for i in brand_title:
    brand.append(i.text)

# Extracting Product
prod_rows= driver.find_elements_by_xpath('//a[@class="IRpwTa"]')
prod=[]
```

prod.append(i.text)

for i in prod_rows:

```
prod_1=[]
          prod rows= driver.find elements by xpath('//a[@class="IRpwTa 2-ICcC"]')
          for i in prod_rows:
              prod_1.append(i.text)
          # Extracting Price
          price_rows= driver.find_elements_by_xpath('//div[@class="_30jeq3"]')
          price=[]
          for i in price_rows:
              price.append(i.text)
          # Extracting Discount
          disc_rows= driver.find_elements_by_xpath('//div[@class="_3Ay6Sb"]')
          disc=[]
          for i in disc_rows:
              disc.append(i.text)
In [64]:
          # Finding Next button using absolute Xpath
          nextb = driver.find_element_by_xpath("/html/body/div[1]/div/div[3]/div[1]/div[2]/div
          nextb
          # Clicking the Next button
          nextb.click()
In [65]:
          # Extracting Brand Titles
          brand_title= driver.find_elements_by_xpath('//div[@class="_2WkVRV"]')
          brand2=[]
          for i in brand title:
              brand2.append(i.text)
          # Extracting Product
          prod_rows= driver.find_elements_by_xpath('//a[@class="IRpwTa"]')
          prod2=[]
          for i in prod rows:
              prod2.append(i.text)
          prod2_1=[]
          prod_rows= driver.find_elements_by_xpath('//a[@class="IRpwTa _2-ICcC"]')
          for i in prod_rows:
              prod2_1.append(i.text)
          # Extracting Price
          price_rows= driver.find_elements_by_xpath('//div[@class="_30jeq3"]')
```

```
price2=[]
          for i in price_rows:
              price2.append(i.text)
          # Extracting Discount
          disc_rows= driver.find_elements_by_xpath('//div[@class="_3Ay6Sb"]')
          disc2=[]
          for i in disc_rows:
              disc2.append(i.text)
In [66]:
          # Clicking the Next button
          nextb.click()
In [67]:
          # Extracting Brand Titles
          brand_title= driver.find_elements_by_xpath('//div[@class="_2WkVRV"]')
          brand3=[]
          for i in brand_title:
              brand3.append(i.text)
          # Extracting Product
          prod_rows= driver.find_elements_by_xpath('//a[@class="IRpwTa"]')
          prod3=[]
          for i in prod_rows:
              prod3.append(i.text)
          # Extracting Price
          price_rows= driver.find_elements_by_xpath('//div[@class="_30jeq3"]')
          price3=[]
          for i in price_rows:
              price3.append(i.text)
          # Extracting Discount
          disc rows= driver.find elements by xpath('//div[@class=" 3Ay6Sb"]')
          disc3=[]
          for i in disc_rows:
              disc3.append(i.text)
```

```
In [68]:
# Comabining results and limiting records till 100 rows
brands=brand+brand2+brand3[0:20]
prices=price+price2+price3[0:20]
```

```
prods=prod+prod_1+prod2+prod2_1+prod3[0:20]
discs=disc+disc2+disc3[0:20]
```

```
In [69]:
```

```
# Creating DataFrame
table=pd.DataFrame({"Brand":brands,"Product Description":prods,"Price":prices,"Disco
print(table)
```

```
Brand
                                                    Product Description Price
0
            Nilatin
                                                       Sneakers For Men ₹549
         ZF - ALFIYA
1
                                                       Sneakers For Men
                                                                          ₹449
2
              BRUTON
                          Modern Trendy Sneakers Shoes Sneakers For Men
                                                                         ₹284
3
            Magnolia
                                                       Sneakers For Men ₹399
4
            URBANBOX
                                       Puma Smash v2 L Sneakers For Men
                                                                         ₹219
                                                                     . . .
                                                       Sneakers For Men
95 MAST AND HARBOUR
                                                                         ₹999
96
           PROVOGUE
                                                       Sneakers For Men
                                                                         ₹759
97
                                                       Sneakers For Men
                                                                         ₹249
            Stinson
98
             Eiffel Comfortable & Ultra Light Weight Sneaker Sneak...
                                                                          ₹469
99
            KWIK FIT
                                                       Sneakers For Men ₹499
  Discount
   45% off
a
   55% off
1
   78% off
3
   60% off
4
   78% off
95 62% off
96 62% off
97 50% off
98 53% off
```

[100 rows x 4 columns]

Question 7

99 75% off

Go to the link - https://www.myntra.com/shoes

Set second Price filter and Color filter to "Black", as shown in the below image.

And then scrape First 100 shoes data you get. The data should include "Brand" of the shoes, Short Shoe description, price of the shoe as shown in the below image.

Note: Applying the filter and scraping the data, everything should be done through code only and there should not be any manual step.

```
In [70]: # Connecting to a webdriver
driver=wd.Chrome(r'D:\Internship\Web Scraping\Web Scraping 2\chromedriver.exe')
url='https://www.myntra.com/shoes' # Defining the url
driver.get(url) # opening the url in our test chrome explorer

# Using Filters
# Checking Black color filters
col_chk= driver.find_element_by_xpath("/html/body/div[2]/div/div[1]/main/div[3]/div[col_chk.click()
```

```
In [71]:  #
```

Using Filters

Checking price filters

```
col_chk.click()
In [72]:
          # Extracting Brand Titles
          brand_title= driver.find_elements_by_class_name("product-brand")
          brand=[]
          for i in brand_title:
              brand.append(i.text)
          # Extracting Product
          prod_rows= driver.find_elements_by_class_name("product-product")
          prod=[]
          for i in prod_rows:
              prod.append(i.text)
          # Extracting Price
          price_rows= driver.find_elements_by_class_name("product-price")
          price=[]
          for i in price_rows:
              price.append(i.text)
In [73]:
          # Clicking next button
          nextb= driver.find_element_by_xpath("/html/body/div[2]/div/div[1]/main/div[3]/div[2]
          nextb.click()
In [74]:
          # Extracting Brand Titles
          brand_title= driver.find_elements_by_class_name("product-brand")
          brand2=[]
          for i in brand_title:
              brand2.append(i.text)
          # Extracting Product
          prod_rows= driver.find_elements_by_class_name("product-product")
          prod2=[]
          for i in prod rows:
              prod2.append(i.text)
          # Extracting Price
          price_rows= driver.find_elements_by_class_name("product-price")
          price2=[]
```

col_chk= driver.find_element_by_xpath("/html/body/div[2]/div/div[1]/main/div[3]/div[

```
for i in price_rows:
    price2.append(i.text)
```

In [76]: # Comabining results and limiting records till 100 rows
 brands=brand+brand2
 prices=price+price2
 prods=prod+prod2

In [77]:

```
# Creating DataFrame
table=pd.DataFrame({"Brand":brands,"Product Description":prods,"Price":prices})
print(table)
```

```
Brand
                           Product Description
                                                                         Price
0
         ALDO
                           Men Leather Loafers
                                                 Rs. 7799Rs. 12999(40% OFF)
         Nike
                 Men React Infinity 3 Running Rs. 11196Rs. 13995(20% OFF)
                    Men Leather Loafers Rs. 7999Rs. 15999(50% OFF)
Men KD 15 Basketball Shoes Rs. 11895Rs. 13995(15% OFF)
         ALD0
         Nike
         Nike Women React MR 3 Running Shoes Rs. 7871Rs. 10495(25% OFF)
          . . .
       ADIDAS
               Women Supernova Running Shoes
                                                   Rs. 7999Rs. 9999(20% OFF)
95
                   Men Leather Formal Slip-Ons Rs. 8991Rs. 9990(10% OFF)
96
         Geox
97
         Xtep
                             Men Running Shoes
                                                                      Rs. 7699
98
    J.FONTINI
                    Men Leather Formal Loafers
                                                                      Rs. 7490
99 J.FONTINI
                   Men Black Leather Loafers
                                                                      Rs. 8490
```

[100 rows x 3 columns]

Question 8

Go to webpage 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:

After setting the filters scrape first 10 laptops data. You have to scrape 3 attributes for each laptop:

- 1. Title
- 2. Ratings
- 3. Price

Note: All the steps required during scraping should be done through code only and not manually.

```
In [78]: # Connecting to a webdriver
    driver=wd.Chrome(r'D:\Internship\Web Scraping\Web Scraping 2\chromedriver.exe')
    url='https://www.amazon.in' # Defining the url
    driver.get(url) # opening the url in our test chrome explorer
```

```
# To find the web element - search title field
          search_title= driver.find_element_by_xpath("/html/body/div[1]/header/div/div[1]/div[
          search title
                                                                              # calling the we
          search title.send keys("Laptop") # Entering Values in Search Title
          # Finding search button using absolute Xpath
          search = driver.find element by xpath("/html/body/div[1]/header/div[1]/div[2]/di
          # Clicking the search button
          search.click()
In [80]:
          # Clicking on Intel Core i7 filter
          cpu_chk= driver.find_element_by_xpath("/html/body/div[1]/div[2]/div[1]/div[2]/div/di
          cpu_chk.click()
In [81]:
          # Extracting Brand Titles
          brand_title= driver.find_elements_by_xpath('//span[@class="a-size-medium a-color-bas
          brand=[]
          for i in brand title:
              brand.append(i.text)
          # Extracting Price
          price=[]
          for i in price rows:
              price.append(i.text)
In [82]:
          # Extracting Ratings
          ratings_rows=driver.find_elements_by_xpath('//span[@class="a-icon-alt"]')
          ratings=[]
          for i in ratings rows:
              ratings.append(i.text)
In [84]:
          # Creating DataFrame
          table=pd.DataFrame({"Brand":brand[0:10], "Product Rating":ratings[0:10], "Price":price
          print(table)
                                                        Brand Product Rating \
         0 Acer Extensa 15 Thin & Light Intel Processor P...
         1 Acer Aspire 3 Laptop (Made in India) A314-35 3...
         2 ASUS VivoBook 14 (2021), 14-inch (35.56 cm) HD...
         3 Dell New Inspiron 3521 Laptop, Intel Pgc-N5030...
         4 Acer Extensa 15 Thin & Light Intel Processor P...
         5 Hp 14S-Intel Pentium Silver N6000- 8Gb Ram/256...
         6 Acer Travelmate Business Laptop Intel Pentium ...
         7 Microsoft Surface GO 3 8VA-00013 10.5" (26.67 ...
         8 Acer Travelmate Intel® Pentium® Gold 7505 Proc...
         9 Acer Extensa 15 Thin & Light Laptop Intel Proc...
```

```
Price

0 Rs. 8249Rs. 10999(25% OFF)

1 Rs. 7199Rs. 11999(40% OFF)

2 Rs. 7999

3 Rs. 8505Rs. 10500(19% OFF)

4 Rs. 11998

5 Rs. 11192Rs. 13990(20% OFF)

6 Rs. 10355Rs. 10900(5% OFF)

7 Rs. 10349Rs. 11499(10% OFF)

8 Rs. 12591Rs. 13990(10% OFF)

9 Rs. 9990
```

Question 9

Write a python program to scrape data for first 10 job results for Data Scientist Designation in Noida location. You have to scrape company name, No. of days ago when job was posted, Rating of the company.

This task will be done in following steps:

- 1. First get the webpage https://www.ambitionbox.com/
- 2. Click on the Job option as shown in the image
- 3. After reaching to the next webpage, In place of "Search by Designations, Companies, Skills" enter "Data Scientist" and click on search button.
- 4. You will reach to the following web page click on location and in place of "Search location" enter "Noida" and select location "Noida".
- 5. Then scrape the data for the first 10 jobs results you get on the above shown page.
- 6. Finally create a dataframe of the scraped data.

Note: All the steps required during scraping should be done through code only and not manually.

```
In [90]:
          # Connecting to a webdriver
          driver=wd.Chrome(r'D:\Internship\Web Scraping\Web Scraping 2\chromedriver.exe')
          url='https://www.ambitionbox.com/'
                                                     # Defining the url
          driver.get(url)
                                                # opening the url in our test chrome explorer
In [91]:
          # Clicking on Jobs tab
          job_tab= driver.find_element_by_xpath("/html/body/div[1]/nav/nav/a[6]")
          job_tab.click()
In [92]:
          search_title= driver.find_element_by_xpath("/html/body/div/div/div/div[2]/div[1]/div
          search title
                                                                               # calling the we
          search_title.send_keys("Data Scientist") # Entering Values in Search Title
          # click search button
          search_btn= driver.find_element_by_xpath("/html/body/div/div/div/div[2]/div[1]/div[1]
          search btn.click()
```

```
In [94]:
          # Drop-down search
          search loc= driver.find element by xpath("/html/body/div/div/div/div[2]/div[1]/div[2]
          search_loc.click()
                                                                                     # calling
In [95]:
          #search_loc.send_keys("Noida") # Entering Values in Search Title
          # click search button
          search_btn2= driver.find_element_by_xpath("/html/body/div/div/div/div[2]/div[1]/div[
          search_btn2.click()
In [96]:
          # Extracting Company Name
          company_title= driver.find_elements_by_xpath('//div[@class="company-info"]')
          company=[]
          for i in company_title:
              company.append(i.text)
          # Extracting Posting duration
          post_rows= driver.find_elements_by_xpath('//span[@class="body-small-1"]')
          post=[]
          for i in post_rows:
              post.append(i.text)
In [97]:
          # Creating DataFrame
          table=pd.DataFrame({"Company":company[0:10],"Job Posting":post[0:20:2]})
          print(table)
                                                       Company Job Posting
           Optum Global Solutions (India) Private Limited...
                                                                   11d ago
            Optum Global Solutions (India) Private Limited...
                                                                   18d ago
            GENPACT India Private Limited\n4.0\n(17.9k Rev...
                                                                   2d ago
                                                                   9d ago
                             Latent bridge\n4.5\n(54 Reviews)
         4
                   Dew Solutions Pvt. Ltd.\n4.3\n(80 Reviews)
                                                                   16d ago
         5
                     InfoEdge India Ltd.\n3.9\n(1.7k Reviews)
                                                                   17d ago
         6
                 Info Edge India Limited\n3.9\n(1.7k Reviews)
                                                                   17d ago
         7
                 Info Edge India Limited\n3.9\n(1.7k Reviews)
                                                                   4d ago
         8
                                Careerera\n3.8\n(100 Reviews)
                                                                   12d ago
                                   CRMnext\n4.1\n(74 Reviews)
                                                                  1mon ago
```

Question 10

Write a python program to scrape the salary data for Data Scientist designation. You have to scrape Company name, Number of salaries, Average salary, Minsalary, Max Salary. The above task will be, done as shown in the below steps:

- 1. First get the webpage https://www.ambitionbox.com/
- 2. Click on the salaries option as shown in the image.
- 3. After reaching to the following webpage, In place of "Search Job Profile" enters "Data Scientist" and then click on "Data Scientist".

You have to scrape the data ticked in the above image.

- 1. Scrape the data for the first 10 companies. Scrape the company name, total salary record, average salary, minimum salary, maximum salary, experience required.
- 2. Store the data in a dataframe.

Note: All the steps required during scraping should be done through code only and not manually.

```
In [98]:
          # Connecting to a webdriver
          driver=wd.Chrome(r'D:\Internship\Web Scraping\Web Scraping 2\chromedriver.exe')
          url='https://www.ambitionbox.com/'
                                                     # Defining the url
                                                 # opening the url in our test chrome explorer
          driver.get(url)
In [99]:
          # Clicking on Salaries tab
          sal_tab= driver.find_element_by_xpath("/html/body/div[1]/nav/nav/a[4]")
          sal_tab.click()
In [100...
          search_title= driver.find_element_by_xpath("/html/body/div/div/div/main/section[1]/d
          search title
                                                                               # calling the we
          search_title.send_keys("Data Scientist") # Entering Values in Search Title
In [101...
          # clicking Data Scientist from suggestion
          sel_btn= driver.find_element_by_xpath("/html/body/div/div/main/section[1]/div[2]
          sel_btn.click()
In [102...
          # Extracting Company Name
          company_title= driver.find_elements_by_tag_name('a')
          company=[]
          for i in company title:
              company.append(i.text)
          # Extracting Total Salary record
          total_rows= driver.find_elements_by_xpath('//span[@class="datapoints"]')
          sal_tot=[]
          for i in total rows:
              sal_tot.append(i.text)
          # Extracting Minimum Salary record
          min_rows= driver.find_elements_by_xpath('//div[@class="value body-medium"]')
          sal=[]
          for i in min rows:
              sal.append(i.text)
          # Extracting Average Salary
          avg_rows= driver.find_elements_by_class_name("averageCtc")
```

```
sal_avg=[]
          for i in avg_rows:
              sal_avg.append(i.text)
          # Extracting Experience required
          exp_reqd= driver.find_elements_by_xpath('//div[@class="sbold-list-header"]')
          exp=[]
          for i in exp_reqd:
              exp.append(i.text)
In [103...
          min sal=sal[0:19:2]
          max_sal=sal[1::2]
          company=company[15:26]
In [104...
          # Creating DataFrame
          table=pd.DataFrame({"Company":company[0:10], "Salary Records":sal_tot[0:10], "Minimum
          print(table)
                                             Company
                                                              Salary Records \
         0
                     Ab Inbev\nData Scientist Salary (based on 12 salaries)
                           ZS\nData Scientist Salary (based on 33 salaries)
         1
                        Optum\nData Scientist Salary (based on 15 salaries)
         2
                 Reliance Jio\nData Scientist Salary (based on 32 salaries)
         3
           Fractal Analytics\nData Scientist Salary (based on 21 salaries)
         4
              Tiger Analytics\nData Scientist Salary (based on 89 salaries)
         5
                 UnitedHealth\nData Scientist Salary (based on 51 salaries)
         6
                  EXL Service\nData Scientist Salary (based on 57 salaries)
         7
         Я
                     Deloitte\nData Scientist Salary (based on 21 salaries)
         9
                            Software Engineer Salary (based on 69 salaries)
           Minimum Salary Average Salary Maximum Salary
                                               ₹ 36.0L
         a
                  ₹ 25.0L
                                 ₹ 25.0L
                                 ₹ 15.0L
                  ₹ 15.0L
                                                ₹ 26.2L
         1
         2
                  ₹ 11.0L
                                 ₹ 11.0L
                                                ₹ 22.0L
                  ₹ 11.0L
                                ₹ 11.0L
                                                ₹ 22.5L
         3
                                                ₹ 26.2L
         4
                  ₹ 5.6L
                                 ₹ 5.6L
         5
                                                ₹ 23.0L
                  ₹ 10.0L
                                 ₹ 10.0L
                                                ₹ 20.0L
         6
                   ₹ 9.0L
                                 ₹ 9.0L
         7
                                               ₹ 21.1L
                   ₹ 8.3L
                                 ₹ 8.3L
                                                ₹ 21.0L
         8
                   ₹ 7.6L
                                  ₹ 7.6L
                                                ₹ 25.0L
         9
                   ₹ 7.0L
                                  ₹ 7.0L
                                  Experience Required
              3 yrs experience (based on 12 salaries)
           3-4 yrs experience (based on 33 salaries)
              2 yrs experience (based on 15 salaries)
         3 3-4 yrs experience (based on 32 salaries)
         4 3-4 yrs experience (based on 21 salaries)
         5 2-4 yrs experience (based on 89 salaries)
         6 2-4 yrs experience (based on 51 salaries)
         7 2-4 yrs experience (based on 57 salaries)
         8 3-4 yrs experience (based on 21 salaries)
         9 2-4 yrs experience (based on 69 salaries)
In [ ]:
```