WEB SCRAPING – ASSIGNMENT 2

Instructions

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

Q1: 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.

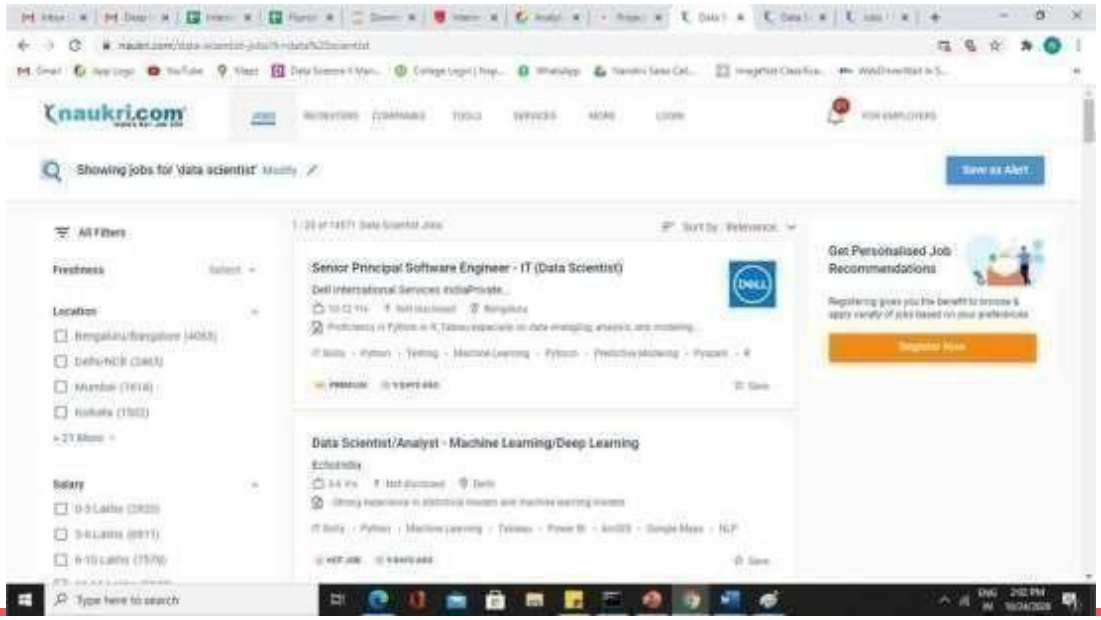
Note: All of the above steps have to be done in code. No step is to be done manually.

Q2: 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 youget.
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.

Q3: 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:

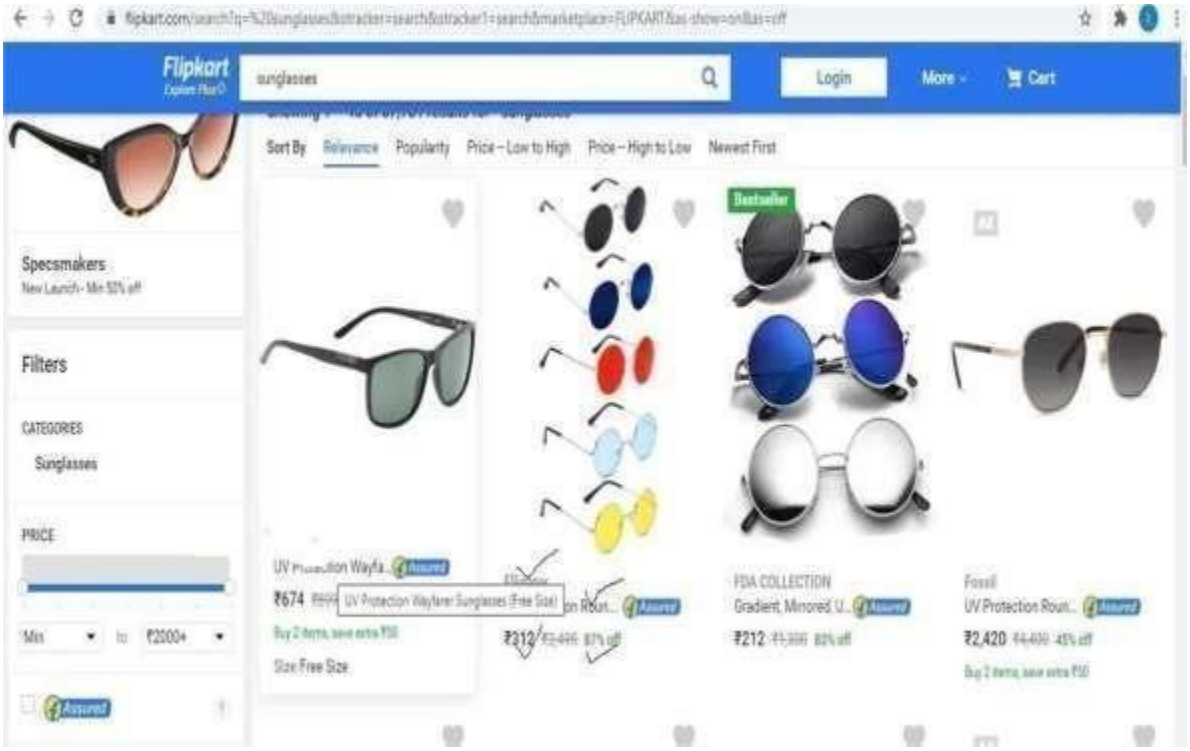
1. first get thewebpage https://www.naukri.com/
2. Enter “Data Scientist” in “Skill, Designations, and Companies” field.
3. Then click the searchbutton.
4. Then apply the location filter and salary filter by checking the respective boxes
5. Then scrape the data for the first 10 jobs results youget.
6. 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.

Q4: 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.



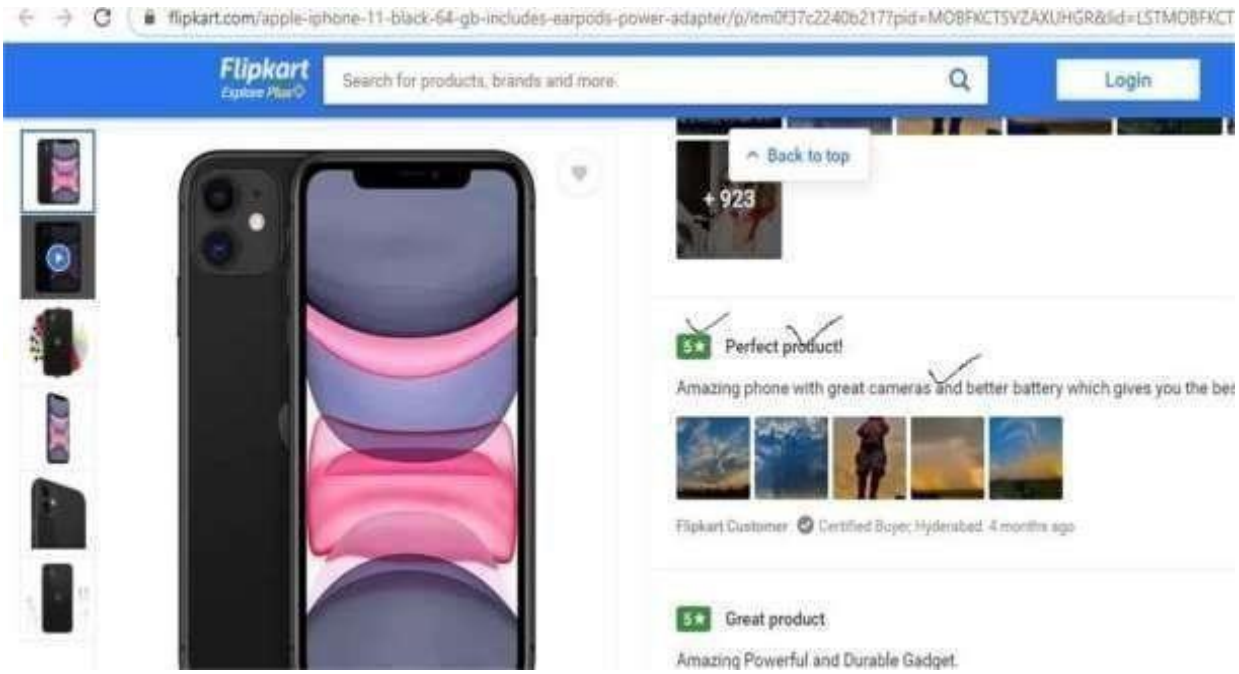
To scrape the data you have to go through following steps:

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.

Q5: Scrape 100 reviews data from flipkart.com for iphone11 phone. You have to go the link: https://www.flipkart.com/apple-iphone-11-black-64-gb/product-reviews/itm4e5041ba101fd?pid=MOBFWQ6BXGJCEYNY&lid=LSTMOBFWQ6BXGJCEYNYZXSHRJ&marketplace=FLIPKART



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.

Q6: 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 3 attributes of each sneaker:

1. Brand
2. Product Description
3. Price

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

Flipkart Explore Plus

sneakers

My Account | Become a Seller | M

Elemronies - | TVs & Appliances | Men | Women | Baby & Kids | Home & Furniture | Sports, Books & More | Rights | Ofl

Showing J — 40 of 13,910 results for "sneakers"

Sort By Relevance Popularity Price — Low 1o Higfi Price — High to Low Newest Firs1

wear

Footwear

o 73000+

'RICE

BRUTON

Combo Pack Of 3 Latest Ca...

T557 76% off

BRUTON

2 Combo Sneaker Shoes Sn...@$ gBB

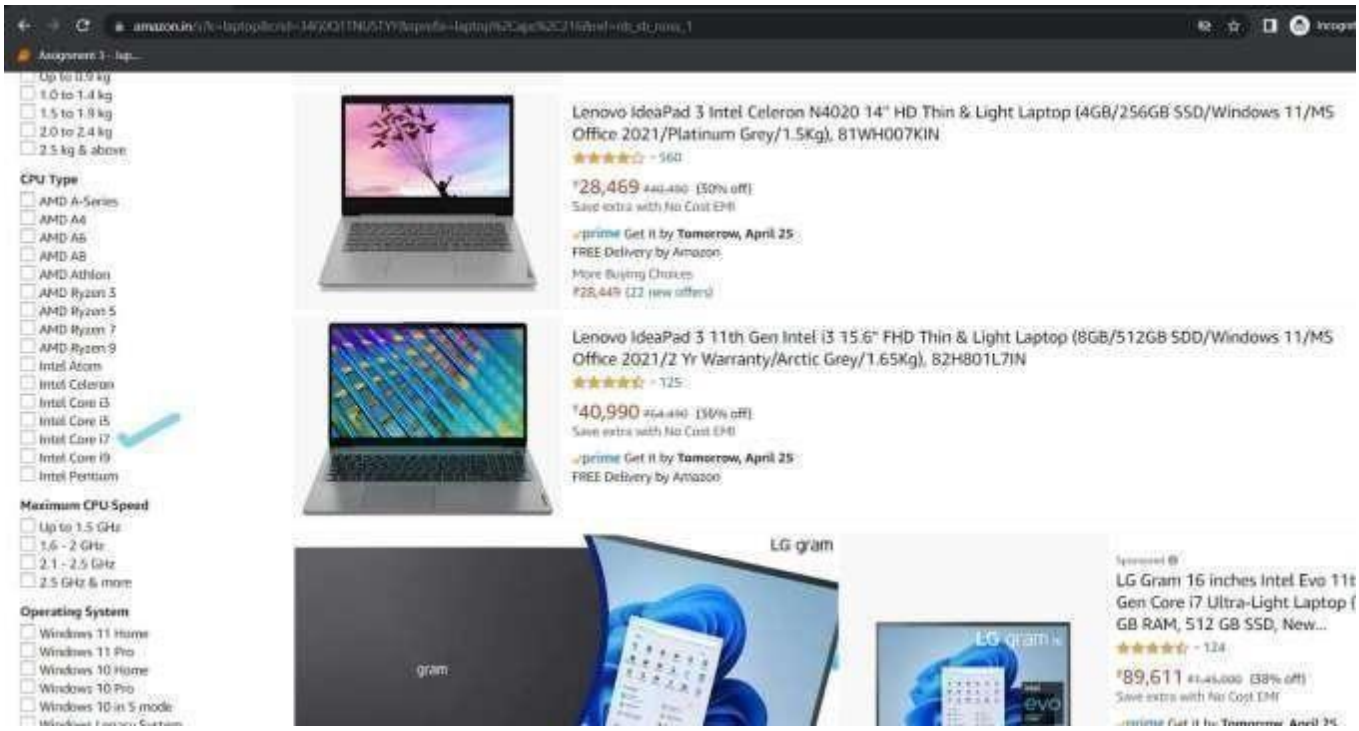
₹636 ~~₹2,499~~ 74% off

ASTEROID

Original Luxury Branded Fa... @$ }BBg

₹549 ~~₹1,999~~ 72% off

Q7: 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:

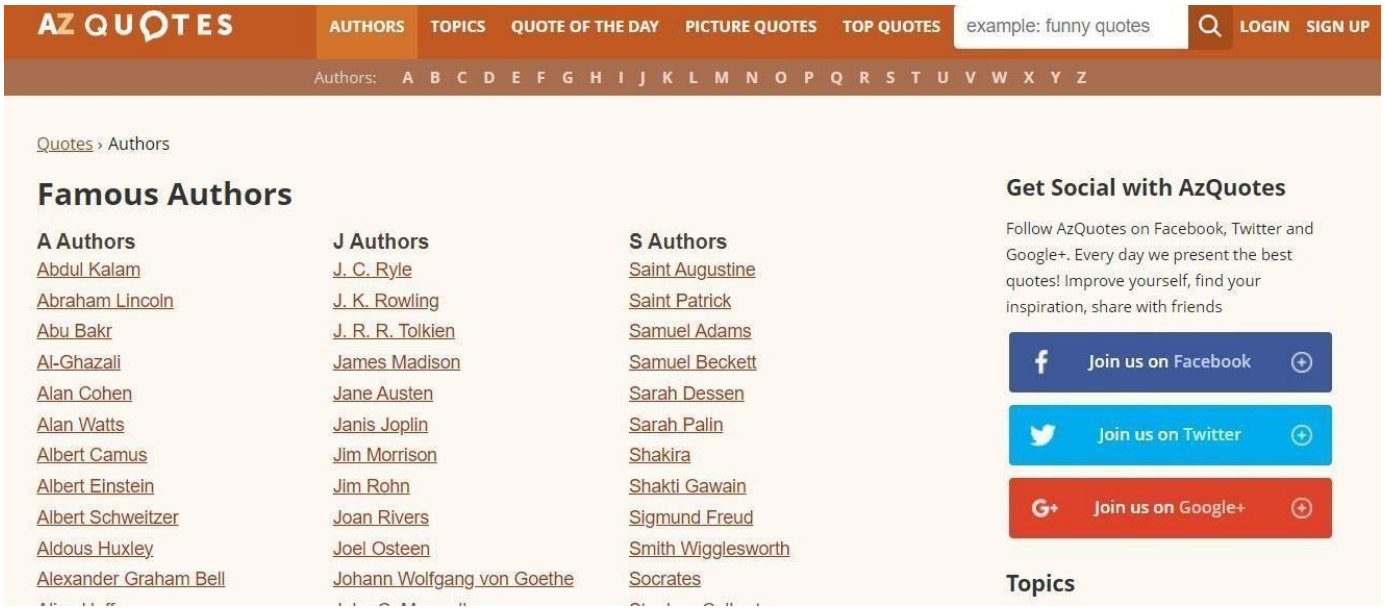
1. Title
2. Ratings
3. Price

Q8: 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 webpage https://www.azquotes.com/
2. Click on Top Quotes

3. Than scrap a) Quote b) Author c) Type Of Quotes



Q9: Write a python program to display list of respected former Prime Ministers of India(i.e. Name, Born-Dead, Term of office, Remarks) from https://www.jagranjosh.com/.

This task will be done in following steps:
1. First get the webpagehttps://www.jagranjosh.com/
2. Then You have to click on the GK option
3. Then click on the List of all Prime Ministers of India
4. Then scrap the mentioned data and make theDataFrame.

Q10: Write a python program to display list of 50 Most expensive cars in the world (i.e. Car name and Price) from https://www.motor1.com/

This task will be done in following steps:
1. First get the webpage https://www.motor1.com/
2. Then You have to type in the search bar '50 most expensive cars'
3. Then click on 50 most expensive cars in the world..
4. Then scrap the mentioned data and make the dataframe.