What is web scrapping?
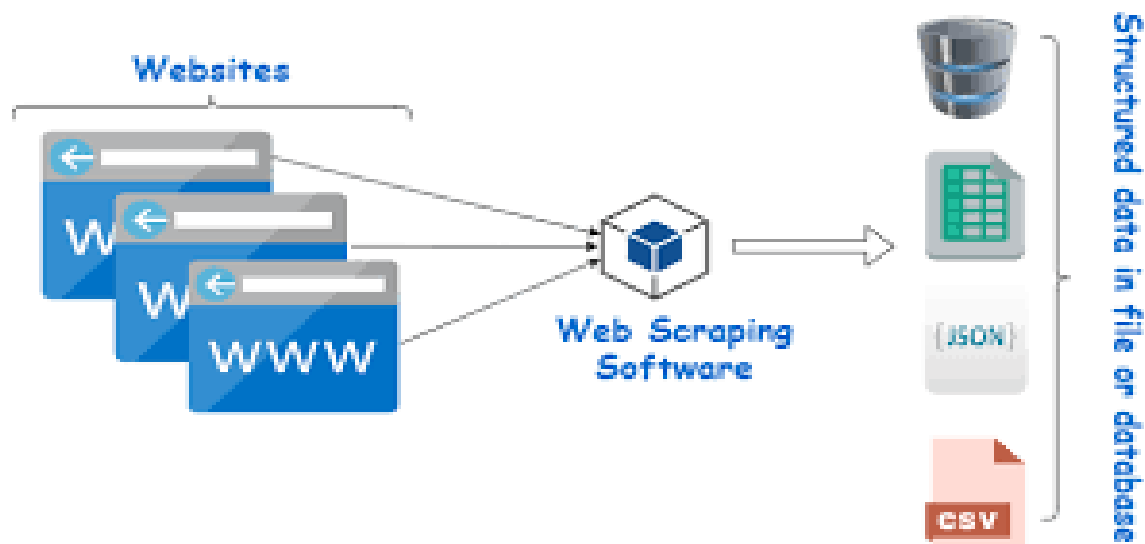
There is a ebsite like Amazon, flipkart etc.. we have huge amount of data, if you want to extract that data for that we use web scraping.

Basically what happened here is from our websites we extract the HTML through that we extract the data.
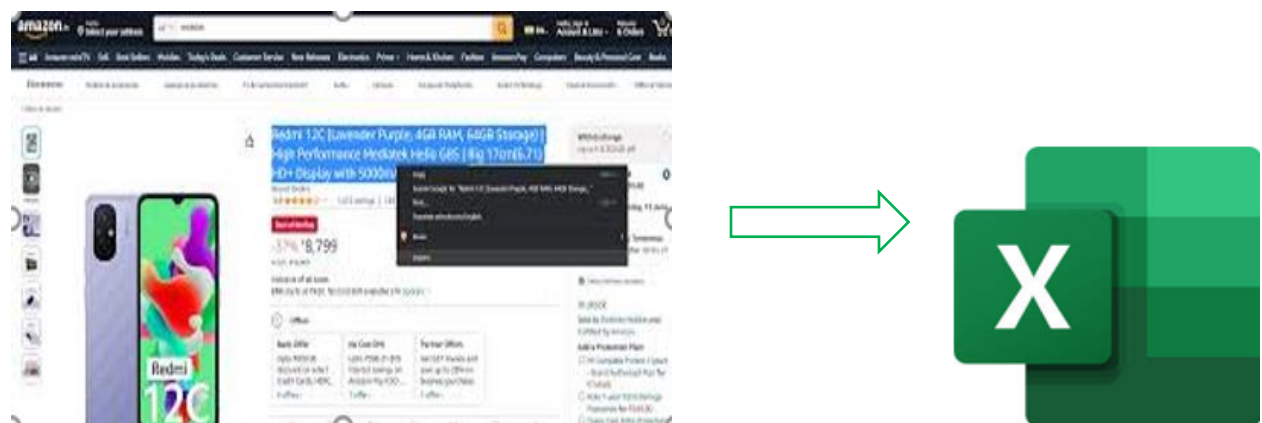
How web scraping works?

Explination:

     For example we have Amazon'z website or we have Flipkart's website from that by using our web scraping software now what is this web scraping software, If we are using python we have different libraries with the help of it we can scrap the data for e.g. we have beautiful soup, we have selenium, we have framework called scrappy.

There are different libraries with the help of which , we can scrap the data. In this course, we will be learning about beautiful soup and selenium.

Extract the data from beautiful suop or extrct dta from selenium and the we can store this data inside database, excel, csv , json.
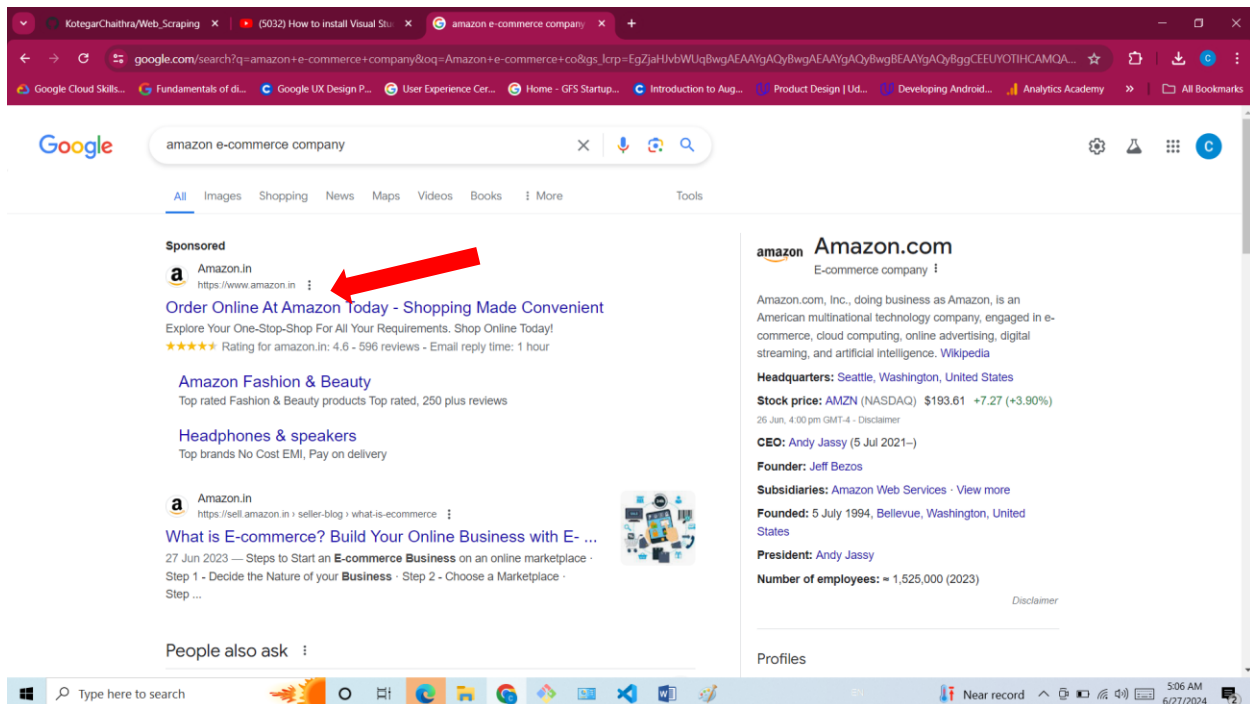
Next question : What is the use of this data ?

We can use in terms of machine learning in data science that if you want to do data analysis from the data or suppose you're creating your own website and if for that you need some data from other website in that case you can use that data or suppose there is a sale on any website an if you extract all the data and then with the help of filter function you can see that on which product there is maximum sale and you can directly go to that product for example:
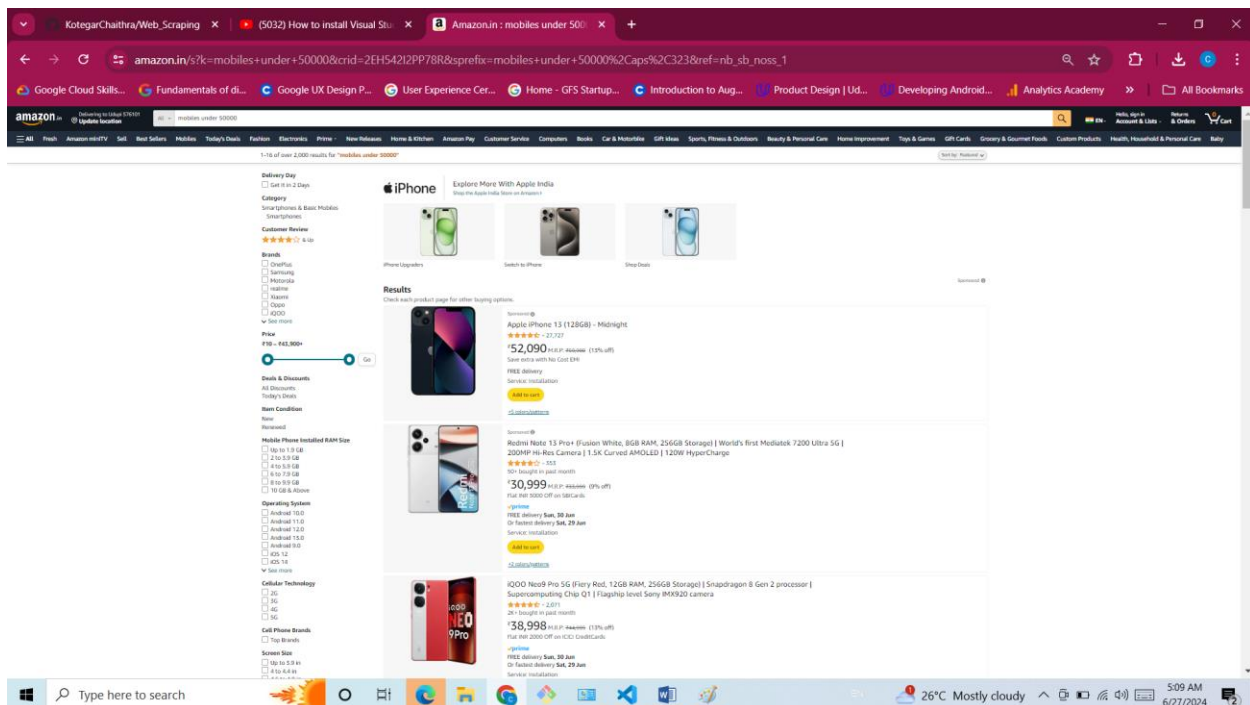

We have website of Amazon and I want to extract mobiles under 50000

For that how will I be doing it wil not showing you this practically later we will be learning this as well. But how we can extract this data is very simple.
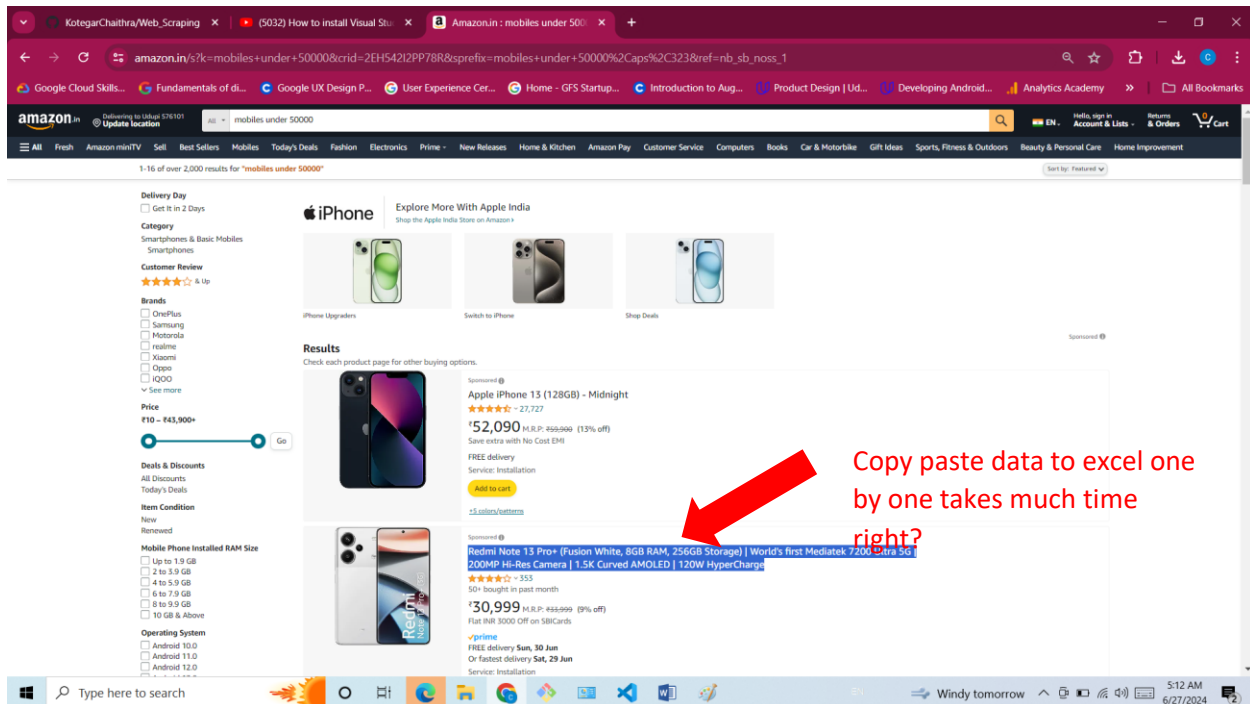
Then open your browser Amazon e-commerce company and click on first link .

After click on it you'll see this below page and can write mobiles under 50000 and you'll get this data over here now:
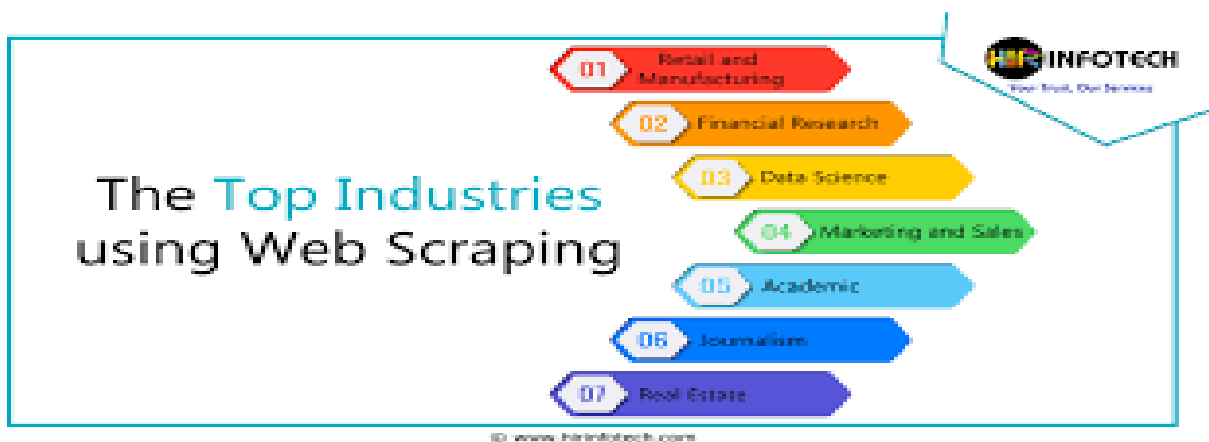
I am going to copy the data like shown below and directly paste this data

Create a excel and paste this data how long does this takes?

In the current page we 'll have nearly 20 mobiles if I go to next page some more mobiles , how can I copy paste each and every time?

To solve this problem we have beautiful suop and selenium.

Applications of Web scraping:

1. Retail and Manufacturing industry
2. Financial Reasearch
3. Data science
4. Marketing and sales
5. Academic
6. Journalism
7. Real Estate