welcome

To

presentation

Presentation

ON

Web scraping

Web scraping And EDA project

ON

Mobile prices & brands

What is Web scraping ?

- Web scraping is the process of extracting data from the websites

Scraping means collects the data

Lybraries for web scraping

- Requests
- Beautifulsoup

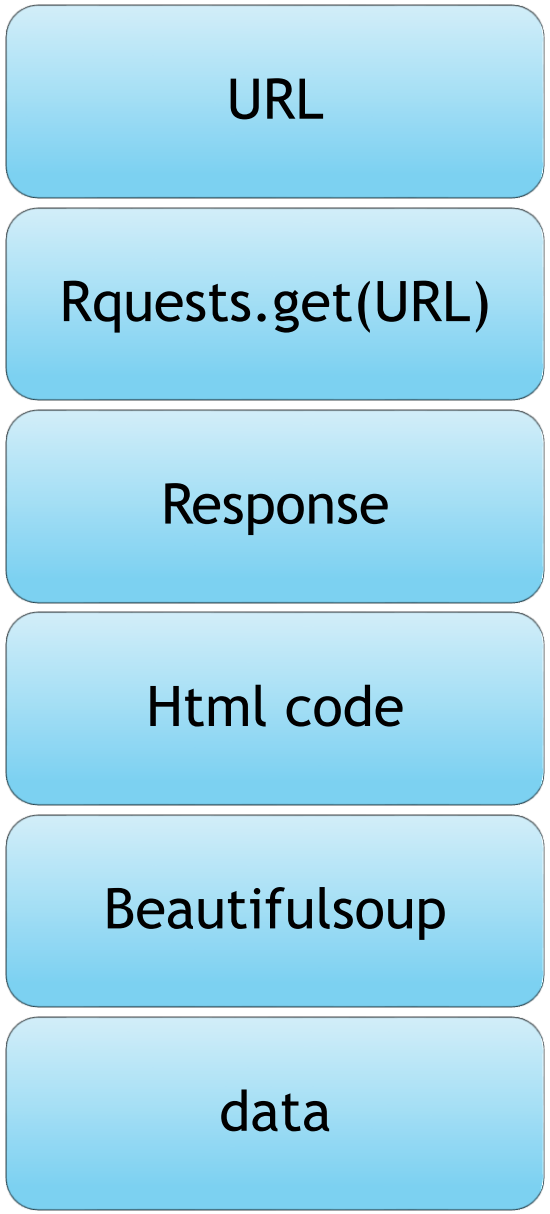
Steps:

- Identify URL
- Inspect HTML code
- Find the HTML tag for the elements that you want to extract
- Write some code to scrap this data

Website - flipkart.com

Search - mobiles

URL - 'https://www.flipkart.com/search?q=mobiles&as=on&as-show=on&otracker=AS_Query_TrendingAutoSuggest_1_0_na_na_na&otracker1=AS_Query_TrendingAutoSuggest_1_0_na_na_na&as-pos=1&as-type=HISTORY&suggestionId=mobiles&requestId=820adae3-bf2f-4afa-b6d1-c884f7104083'


URL
Rquests.get(URL)
Response
Html code
Beautifulsoup
data

Collecting the tags :

- Price – ‘div’, '_30jeq3 _1_WHN1'
- Ratings – ‘div’, '_3LWZlK'
- Features – ‘ul’, '_1xgFaf'
- Product – ‘div’, '_4rR01T'

- **Find()**
- **Find_all()**

More steps:

- ✓Collecting all URL's from all pages
- ✓Code for web scraping (incorrect way)
- ✓Code for web scraping (correct way)
- ✓Creating data frame and saving it in csv file
- ✓Extracting the details using regex

Create a dataframe

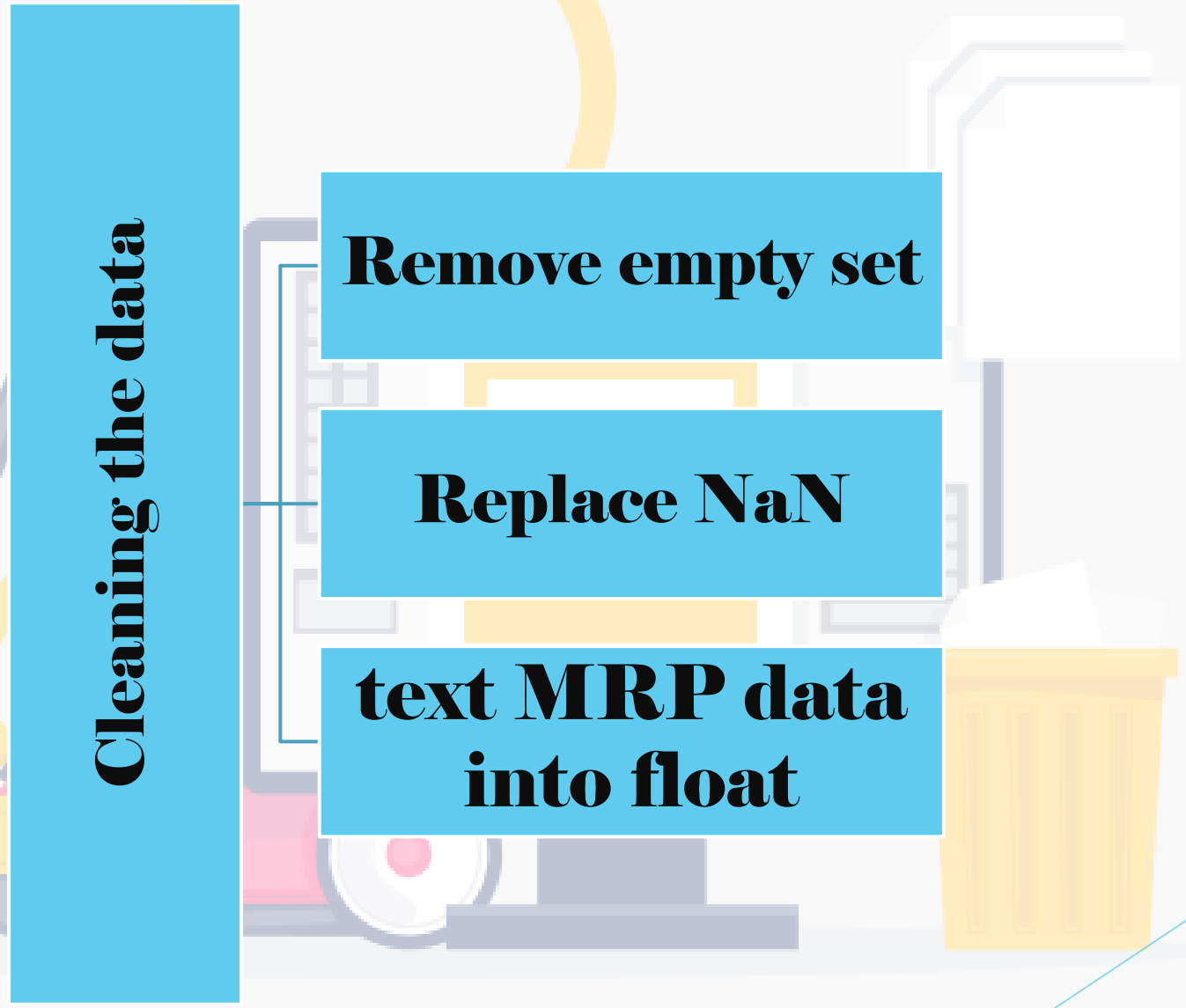
Using dictonary

Pass the keys there is value

Keys become a coloumn names

filling Rows

Cleaning the data :



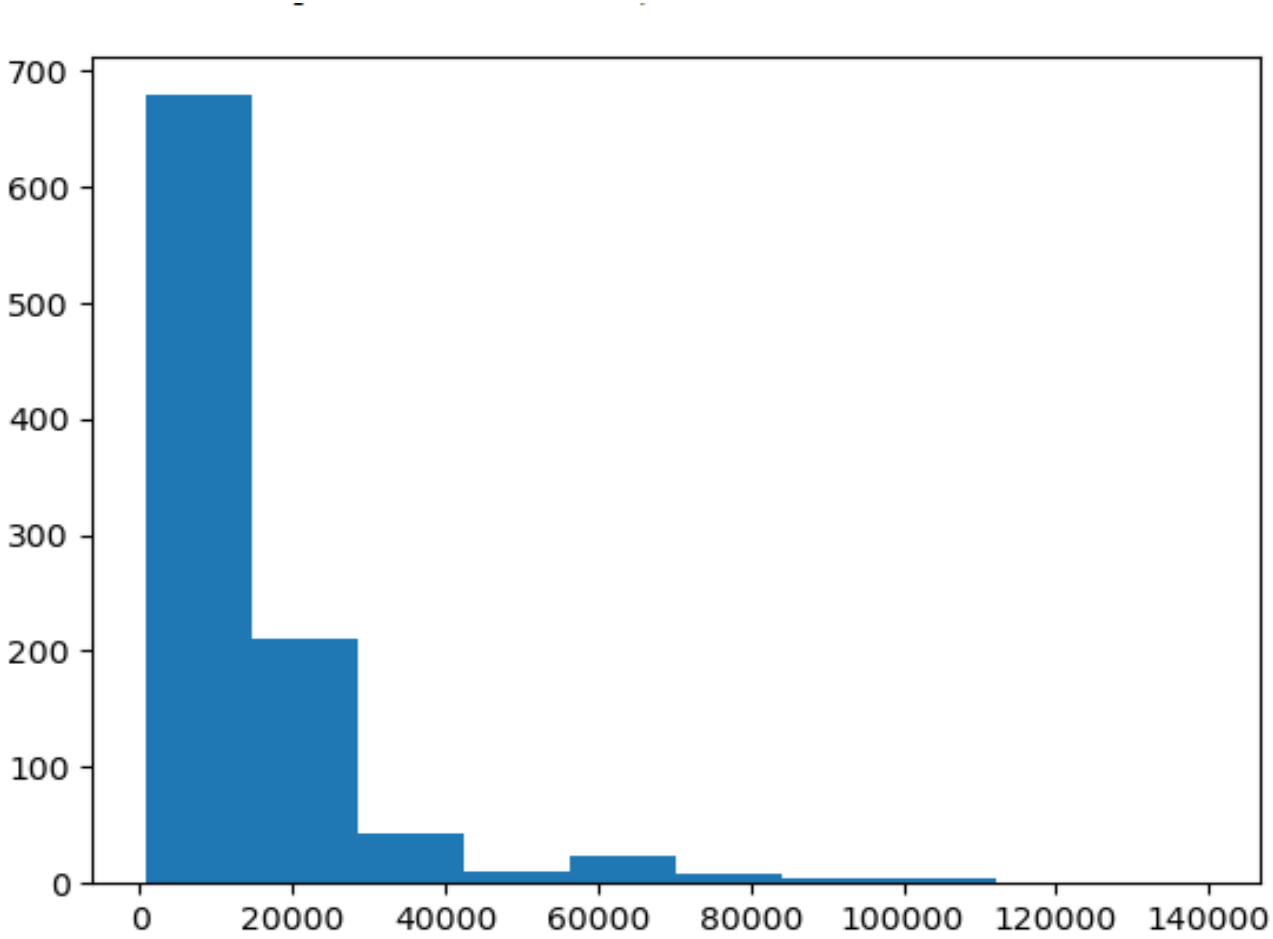
Data visualization

Data visualization provides a good, organized pictorial representations of the data which makes easier to understand,observe,analyze.

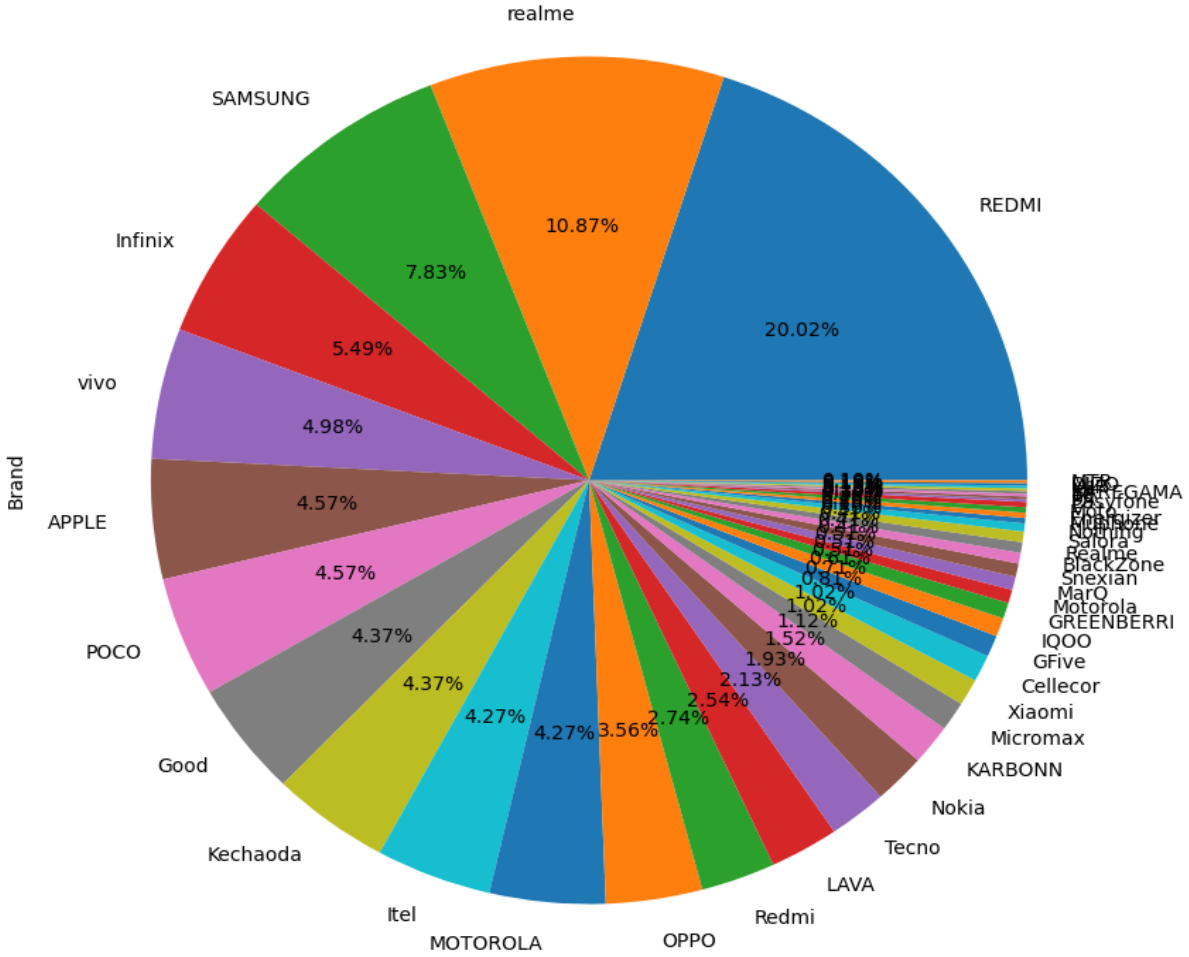
Types of graphs:

- Matplotlib
- Seaborn
- bokeh
- plotly

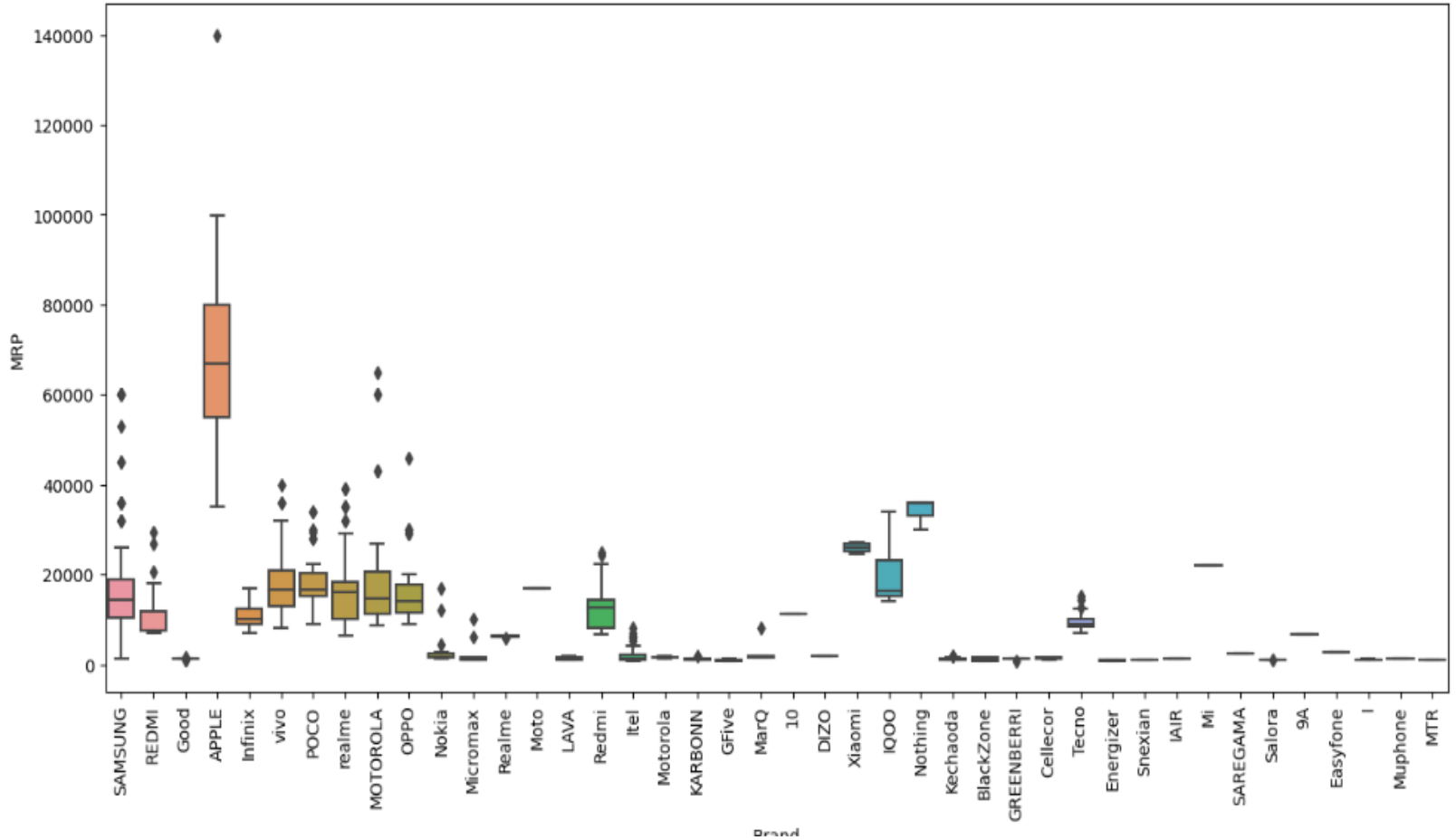
MRP history plotbar Graph

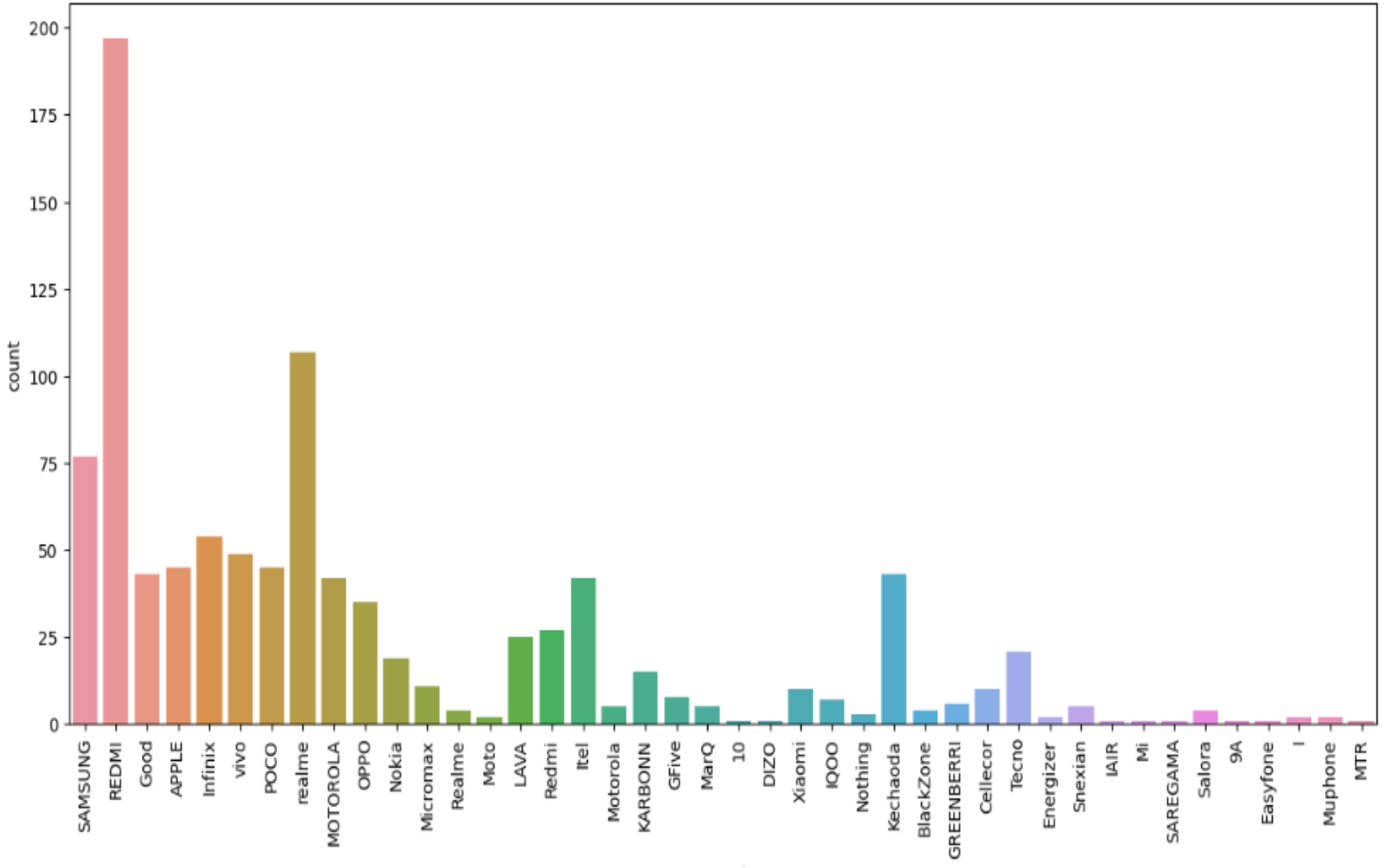


Piechart for brand



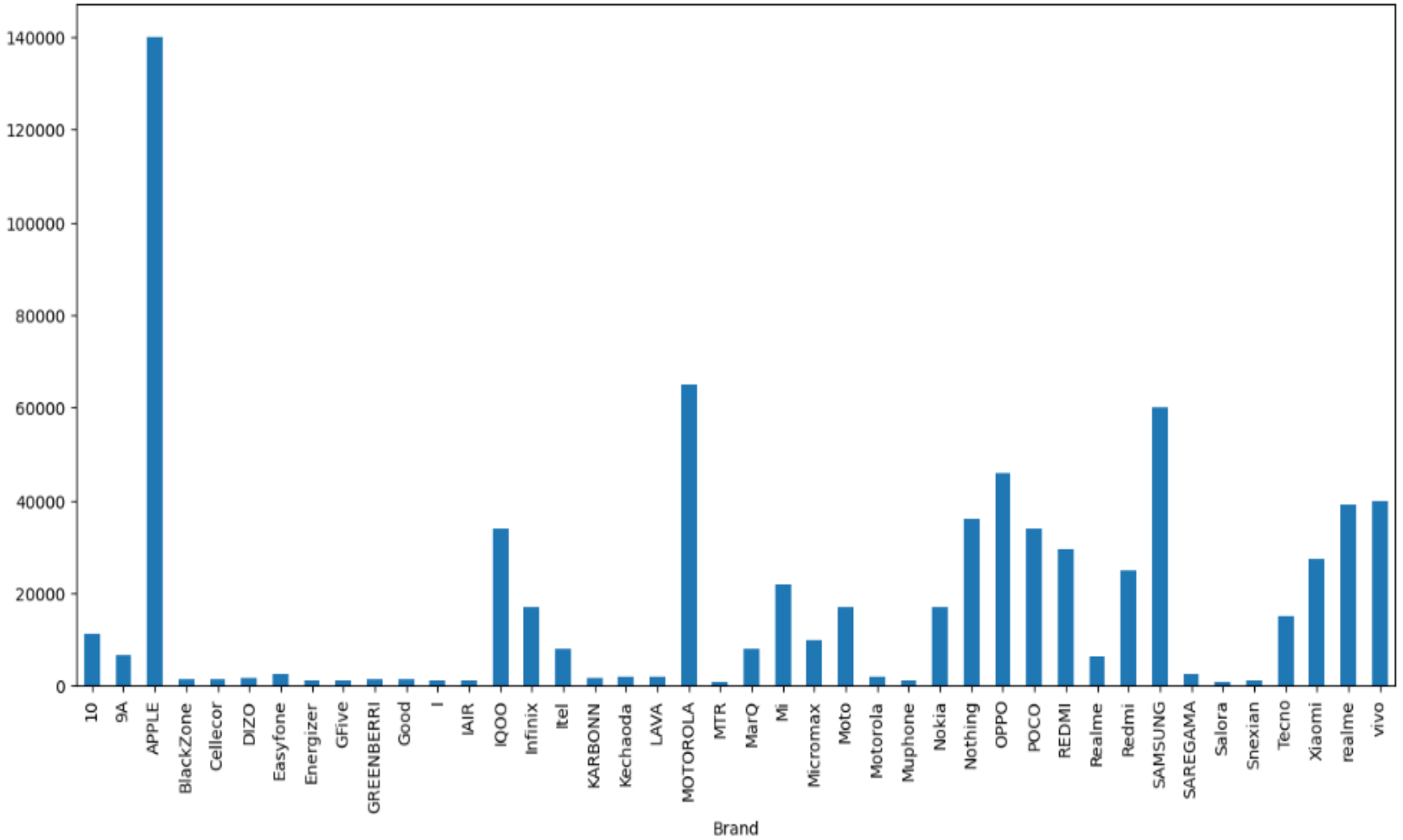
Boxplot graph for Brand and MRP



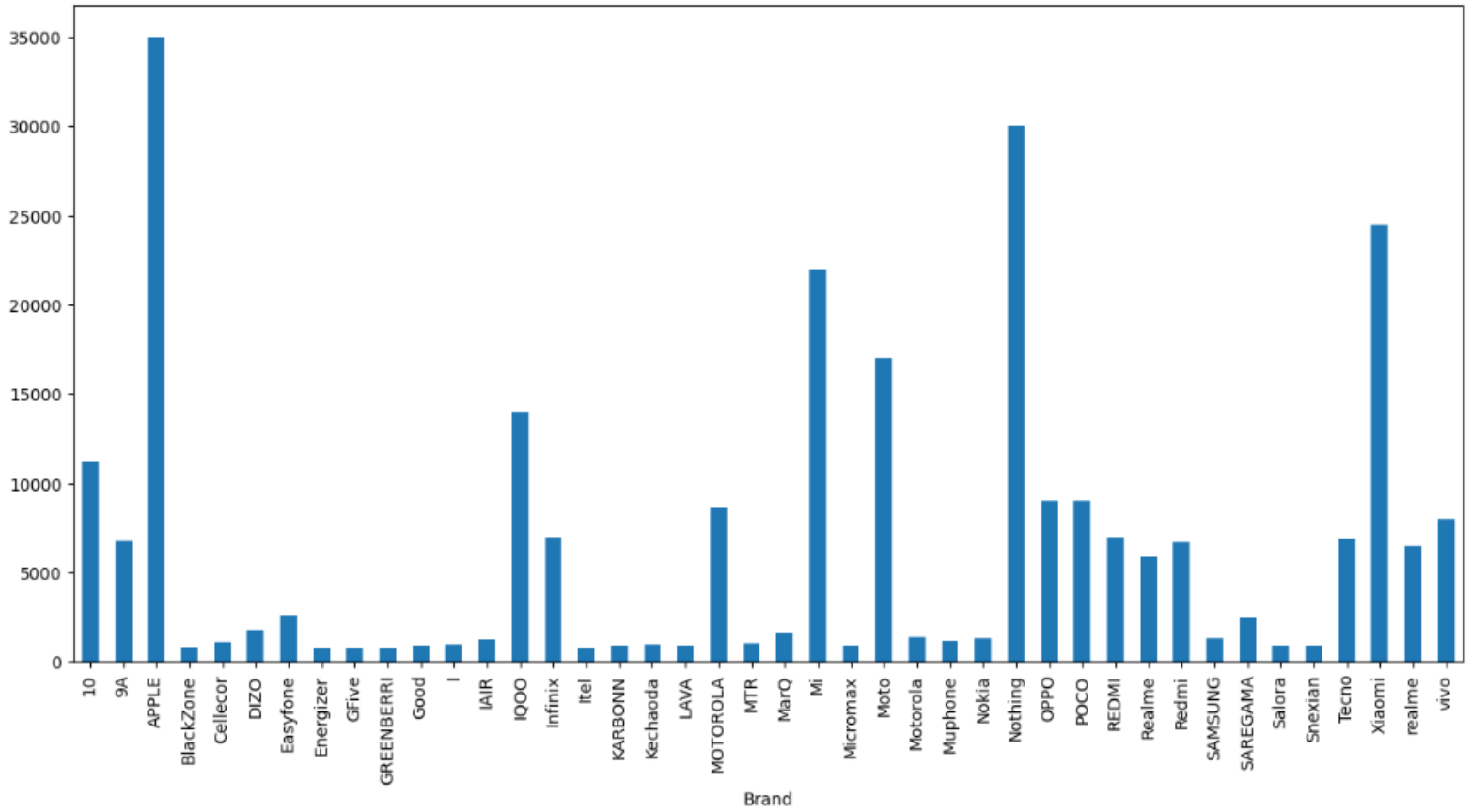


The above plot show us the count for each product.

Plot graph for maximum MRP



PlotBar graph for minimum MRP



Conclusion :

Here , i have come to the end of the project on the topic "**web scrapping on mobile prices & brands".**

i would like to share my experience while doing the project-1 learnt many new things about the 'mobile brand and prices' and it was a wonderfull learning experience for me while working on this project.

This project has developed my thinking skills and more interest in this subject . This project gave me real insight into the marketing world.

A very special thanks to my **innomatics reasearch lab members** for setting target for us. I enjoyed every bit of work,I put into this project-1 do hope that my project will be interesting and maybe ever knowledgeable.