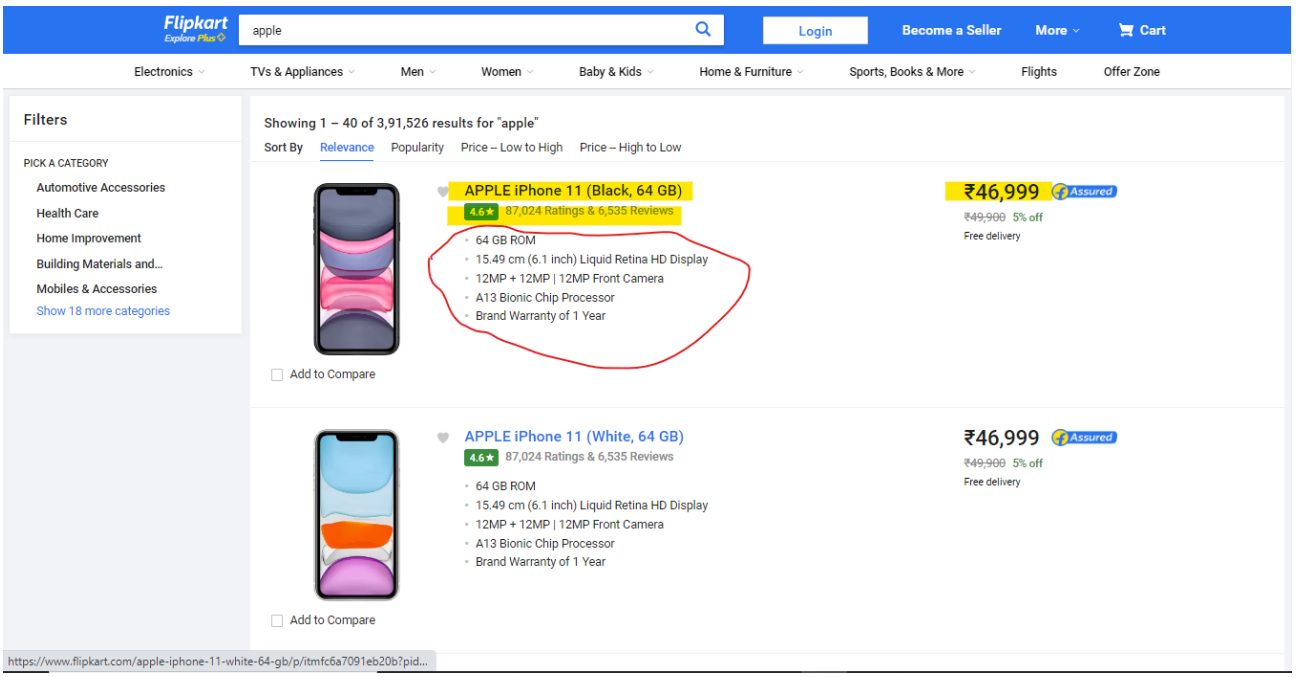
ASSIGNMENTS TO DO

1. **Extract flipkart's website data for apple phones as shown below in the shared screenshot.**



Data to extract from here is :

- **Fields that are needed to be scrapped/extracted are highlighted with yellow and encircled with red colour.**
- **Title, price, user rating and specifications.**
- **Save all details to a csv or excel file.**

Use beautifulsoup module for scrapping, and the csv module to create a csv file with name flipkart_apple_phn_details.csv or flipkart_apple_phn_details.xlsx

2. Create a Django app consisting of user registration page, login page, logout page, all user details list page:

- **Use html ,css & bootstrap for UI.**
- **Password length should be less than 12 and contain 1 Upper case letters, 1 digit, special characters.**
- **Validations for all inputs for registration and login page.**
- **Use mysql database to save all the user details.**
- **Create a django admin ui i.e createsuperuser**
- **All user detail list page should have all user lists and also we can edit & delete the record from UI itself.**

ASSIGNMENTS TO DO

3. Create a dataframe using pandas with 5 columns consisting of:

1. **Name, age, phone number, address & pincode .**
2. **Some values should contain null or no values.**
3. **Handle null values, fill the nan or null values , check the shape of the dataframe.**
4. **Type of data in each column and atlast convert dataframe to excel**
5. **Try to upload the file to AWS S3 bucket using boto3 module from local.**
6. **Read the upload csv file from AWS Lambda.**

4. Create a calculator using the tkinter module in python.

5. Create Flask application where it should contain 3 api's:

- **Home/Index api i.e→ "Welcome page for car detail management".**
- **Add_new_car/ api → Add New car details i.e carname, brand, model, year, mileage, CC, horsepower and price.**
- **Validation for all the input fields.**
- **car_detail_lists/ api → All car details page like a table and also delete/edit option as well for each record or cell.**
- **Use flask_sql_alchemy as a database to store the data.**
- **Use CSS, bootstrap & javascript.**