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In [87]: import selenium
from selenium import webdriver
from selenium.webdriver.common.by import By
from selenium.webdriver.common.keys import Keys

In [88]: PATH="C:\Program Files\driver\chromedriver.exe"

In [89]: driver=webdriver.Chrome(PATH)

C:\Users\User\AppData\Local\Temp\ipykernel_13800\1985462931.py:1: DeprecationWarning: executable_path has been deprecated, please pass in a Service object
driver=webdriver.Chrome(PATH)

In [91]: driver.get("http://www.amazon.in")

In [92]: search_box=driver.find_element(By.ID,"twotabsearchtextbox")
search_box.clear()
search_box.send_keys('Dell laptops')
driver.find_element(By.ID,"nav-search-submit-button").click()
driver.find_element(By.XPATH,"//span[text()='Dell']").click()

In [93]: lap_names=[]
lap_prices=[]
lap_review=[]
review_count=[]
mrp=[]

# all items
all_products=driver.find_elements(By.XPATH,"//div[@data-component-type='s-search-result']")

for all_product in all_products:

    # name
    names = all_product.find_elements(By.XPATH, ".//span[@class='a-size-medium a-color-base a-text-normal']")
    for name in names:
        lap_names.append(name.text)

    # price
    prices = all_product.find_elements(By.XPATH, ".//span[@class='a-price-whole']")
    for price in prices:
        lap_prices.append(price.text)

    try:
        if len(all_product.find_elements(By.XPATH, ".//span[@class='a-size-base s-underline-text']"))>0:
            # review
            reviews = all_product.find_elements(By.XPATH, ".//span[@class='a-size-base s-underline-text']")
            for review in reviews:
                lap_review.append(review.text)

        else:
            lap_review.append('0')
    except:
        pass

    try:
        if len(all_product.find_elements(By.XPATH, ".//span[@class='a-icon-alt']"))>0:
            # Most review
            review_c=all_product.find_elements(By.XPATH, ".//span[@class='a-icon-alt']")
            for review_cs in review_c:
                review_count.append(review_cs.text)

        else:
            review_count.append('0')

    except:
        pass

    #MRP
    mrps=all_product.find_elements(By.XPATH, ".//span[@class='a-price a-text-price']")
    for MRP in mrps:
        mrp.append(MRP.text)

In [94]: print('names',len(lap_names))
print('price',len(lap_prices))
print('review',len(lap_review))
print('review_c',len(review_count))
print('mrp',len(mrp))
print('all_products',len(all_products))

names 24
price 24
review 24
review_c 24
mrp 24
all_products 24

In [97]: import pandas as pd
data=pd.DataFrame({'Laptop_Names':lap_names,'Laptop_price':lap_prices,'Lap_Total_review_count':lap_review,'MRP':mrp})

In [98]: data

Out[98]:
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	Laptop_Names	Laptop_price	Lap_Total_review_count	MRP
0	Dell Vostro 3420 Laptop, Intel Core i5-1135G7,...	54,490	14	₹75,758
1	Dell Inspiron 3511 Laptop, Intel i3-1115G4, 8G...	38,990	62	₹55,047
2	Dell Vostro 3510 Laptop, Intel Core i5-1135G7/...	51,489	26	₹69,210
3	Dell Vostro 14-inch Laptop (35.56 cms) Windo...	39,490	137	₹52,982
4	Dell Vostro 3420 Laptop,12th Gen Intel Core i3...	41,490	113	₹61,817
5	Dell Inspiron 3520 Laptop,12th Gen Intel Core ...	60,900	55	₹75,900
6	Dell Inspiron 3520 Metal Laptop, Intel i5-1235...	65,950	5	₹92,524
7	Dell Inspiron 7420 2in1 Laptop,12th Gen Intel ...	53,490	153	₹71,740
8	Dell Vostro 3420 Laptop, Intel Core i5-1135G7,...	49,490	7	₹69,211
9	Dell Inspiron 3520 Laptop,12th Gen Intel Core ...	58,490	44	₹80,472
10	Dell Vostro 3510 Laptop, Intel Core i5-1135G7/...	52,490	5	₹70,545
11	Dell Vostro 3425 Laptop, AMD R3-5425U, 8GB DDR...	36,490	11	₹50,837
12	Dell Inspiron 3511 Laptop, Intel Core i5-1135G...	50,962	41	₹69,226
13	Dell Vostro 3420 Laptop, Intel Core i3-1115G4,...	36,490	31	₹49,678
14	Dell Vostro 3420 Laptop,12th Gen Intel Core i5...	54,490	26	₹83,100
15	Dell Vostro 3420 Metal Laptop, Intel Core i5-1...	65,490	225	₹89,140
16	Dell New 14" Latitude 3420- i3 11th Gen 8 GB...	33,990	6	₹48,444
17	Dell G15 5520 Gaming Laptop,Intel i5-12500H,16...	76,990	22	₹1,01,749
18	Dell New G15-5515 Gaming Laptop, AMD Ryzen5-56...	69,500	55	₹1,02,522
19	Dell Inspiron 5630 Laptop, Intel Core i5-1340P...	75,763	0	₹94,858
20	Dell Inspiron 7420 2in1 Laptop,12th Gen Intel ...	76,490	12	₹98,252
21	Dell G15-5520 Gaming Laptop, Intel i9-12900H, ...	1,38,990	17	₹1,90,051
22	Dell G15 5520 Windows 11 Gaming Laptop, Intel ...	94,990	15	₹1,38,468
23	Dell XPS 9315 2in1 Laptop, i7-1250U, 16GB LP D...	1,60,621	1	₹2,14,265

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In [99]: data.to_csv('selenium.csv',index=True)

In [ ]:
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