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from bs4 import BeautifulSoup
import requests
import csv
import pandas as pd

try:

    url = 'https://www.amazon.in/s?k=Mobile+phones&crid=J73KN04ZV2SH&sp

    headers = {'User-Agent': 'Mozilla/5.0 (Windows NT 10.0; Win64; x64)

    html = requests.get(url, headers=headers).text

    bs = BeautifulSoup(html, 'lxml')

    phone_name = [name.text for name in bs.find_all('span', class_='a-si
    prices = [price.text for price in bs.find_all('span', class_='a-pric
    reviews = [review.text for review in bs.find_all('span', class_='a-s

    print(' Phone Name ')
    print(phone_name)
    print(' Phone Price ')
    print(prices)
    print(' No of Reviews ')
    print(reviews)

    with open('CellPhones.csv', 'w') as file:
        writer = csv.writer(file)
        writer.writerow(['Phone Name', 'Prices', 'No of Reviews'])
        for i in range(len(phone_name)):
            writer.writerow([phone_name[i], prices[i], reviews[i]])

except Exception as e:
    print(e)

Phone Name
['Redmi 12C (Mint Green, 4GB RAM, 64GB Storage) | High Performance
Mediatek Helio G85 | Big 17cm(6.71) HD+ Display with 5000mAh(typ)
Battery', 'Redmi Note 12 5G Matte Black 4GB RAM 128GB ROM | 1st Phone
with 120Hz Super AMOLED and Snapdragon® 4 Gen 1 | 48MP AI Triple
Camera', 'OnePlus Nord CE 3 5G (Aqua Surge, 12GB RAM, 256GB Storage)',
'Samsung Galaxy M13 (Aqua Green, 6GB, 128GB Storage) | 6000mAh Battery
| Upto 12GB RAM with RAM Plus', 'Samsung Galaxy M13 (Midnight Blue,
4GB, 64GB Storage) | 6000mAh Battery | Upto 8GB RAM with RAM Plus',
'OnePlus 10R 5G (Forest Green, 8GB RAM, 128GB Storage, 80W
Superv00C)', 'OnePlus Nord CE 2 Lite 5G (Black Dusk, 6GB RAM, 128GB
Storage)', 'realme narzo 60 5G (Mars Orange,8GB+128GB) 90Hz Super
AMOLED Display | Ultra Premium Vegan Leather Design | with 33W
SUPERVOOC Charger', 'Samsung Galaxy M04 Light Green, 4GB RAM, 64GB
Storage | Upto 8GB RAM with RAM Plus | MediaTek Helio P35 Octa-core
Processor | 5000 mAh Battery | 13MP Dual Camera', 'Samsung Galaxy M13
(Stardust Brown, 4GB, 64GB Storage) | 6000mAh Battery | Upto 8GB RAM
with RAM Plus', 'iQOO Z7s 5G by vivo (Pacific Night, 8GB RAM, 128GB
Storage) | Ultra Bright AMOLED Display | Snapdragon 695 5G 6nm
Processor | 64 MP OIS Ultra Stable Camera | 44WFlashCharge', 'Samsung
Galaxy M13 (Midnight Blue, 6GB, 128GB Storage) | 6000mAh Battery |
Upto 12GB RAM with RAM Plus', 'Nokia 2660 Flip 4G Volte keypad Phone
with Dual SIM, Dual Screen, inbuilt MP3 Player & Wireless FM Radio |
Black', 'Xiaomi Redmi 10 Power (Power Black, 8GB RAM, 128GB Storage)',
'realme narzo N55 (Prime Black, 6GB+128GB) 33W Segment Fastest
Charging | Super High-res 64MP Primary AI Camera', 'TECNO Spark 9
(Infinity Black, 4GB RAM,64GB Storage) | 7GB Expandable RAM | Helio
G37 Gaming Processor', 'realme narzo N53 (Feather Black, 4GB+64GB) 33W
Segment Fastest Charging | Slimmest Phone in Segment | 90 Hz Smooth
Display', 'realme narzo 50i Prime (Dark Blue 4GB RAM+64GB Storage)
Octa-core Processor | 5000 mAh Battery']

Phone Price
['8,499', '16,999', '28,999', '11,499', '10,999', '32,999', '17,999',
'17,999', '8,499', '10,999', '19,999', '11,499', '4,499', '11,999',
'12,999', '6,999', '8,999', '7,699']

No of Reviews
['6,248', '7,146', '1,471', '26,689', '26,689', '16,979', '133,861',
'1,441', '10,840', '26,689', '9,035', '26,689', '2,375', '3,428',
'6,747', '5,908', '5,927', '6,506']

dataset=pd.read_csv('CellPhones.csv')
dataset

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	Phone Name	Prices	No of Reviews
0	Redmi 12C (Mint Green, 4GB RAM, 64GB Storage) ...	8,499	6,248
1	Redmi Note 12 5G Matte Black 4GB RAM 128GB ROM...	16,999	7,146
2	OnePlus Nord CE 3 5G (Aqua Surge, 12GB RAM, 25...	28,999	1,471
3	Samsung Galaxy M13 (Aqua Green, 6GB, 128GB Sto...	11,499	26,689
4	Samsung Galaxy M13 (Midnight Blue, 4GB, 64GB S...	10,999	26,689
5	OnePlus 10R 5G (Forest Green, 8GB RAM, 128GB S...	32,999	16,979
6	OnePlus Nord CE 2 Lite 5G (Black Dusk, 6GB RAM...	17,999	133,861
7	realme narzo 60 5G (Mars Orange,8GB+128GB) 90H...	17,999	1,441
8	Samsung Galaxy M04 Light Green, 4GB RAM, 64GB ...	8,499	10,840
9	Samsung Galaxy M13 (Stardust Brown, 4GB, 64GB ...	10,999	26,689
10	iQOO Z7s 5G by vivo (Pacific Night, 8GB RAM, 1...	19,999	9,035
11	Samsung Galaxy M13 (Midnight Blue, 6GB, 128GB ...	11,499	26,689
12	Nokia 2660 Flip 4G Volte keypad Phone with Dua...	4,499	2,375
13	Xiaomi Redmi 10 Power (Power Black, 8GB RAM, 1...	11,999	3,428
14	realme narzo N55 (Prime Black, 6GB+128GB) 33W ...	12,999	6,747
15	TECNO Spark 9 (Infinity Black, 4GB RAM,64GB St...	6,999	5,908
16	realme narzo N53 (Feather Black, 4GB+64GB) 33W...	8,999	5,927
17	realme narzo 50i Prime (Dark Blue 4GB RAM+64GB...	7,699	6,506