

```
In [1]: import selenium
import pandas as pd
import time
from bs4 import BeautifulSoup
from selenium import webdriver
from selenium.common.exceptions import StaleElementReferenceException, NoSuchElementException
import requests
from selenium.webdriver.common.by import By
from selenium.webdriver.support.ui import WebDriverWait
from selenium.webdriver.support import expected_conditions as EC
import os

import warnings
warnings.filterwarnings('ignore')
```

```
In [2]: #1. Taking input from user and searching product in website
driver=webdriver.Chrome()
```

```
In [3]: driver.get('https://www.amazon.in/')

```

```
In [4]: product= input('Enter name of product')
```

```
Enter name of productGuitar
```

```
In [5]: product_name= driver.find_element(By.ID,"twotabsearchtextbox")
```

```
In [6]: product_name.send_keys('Guitar')
```

```
In [7]: search=driver.find_element(By.XPATH,"/html/body/div[1]/header/div/div[1]/div[2]/div/form
search.click()
```

```
In [80]: print('*****  
*****  
*****')
```

```
In [8]: #2. Fetching product URL first
product_url=[]
start=0
end=3

for page in range(start,end):
    urls=driver.find_elements(By.XPATH,'//div[@class="a-section a-spacing-small puis-pad
    for url in urls:
        product_url.append(url.get_attribute('href'))
        print("Appended URL:", url.get_attribute('href'))
    next_button=driver.find_element(By.XPATH,"/html/body/div[1]/div[1]/div[1]/div[1]/div
    next_button.click()
    time.sleep(2)
    print("Finished processing page", page)
```

Appended URL: https://www.amazon.in/sspa/click?ie=UTF8&spc=MTozOTA2MDMzNzE5ODQ3MTg6MTcwMzA4NTYzODpzcF9hdGY6MzAwMTA4MzIxNDY0MjMyOjowOjo&url=%2FIntern-INT-38C-Acoustic-Guitar-Blue%2Fdp%2FB073B5RZBV%2Fref%3Dsr_1_1_sspa%3Fcrid%3D1409DKOLWETZ1%26keywords%3DGuitar%26qid%3D1703085638%26prefix%3Dguitar%252Caps%252C407%26sr%3D8-1-spons%26sp_csd%3Dd2lkZ2V0TmFtZT1zcF9hdGY%26psc%3D1

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Appended URL: https://www.amazon.in/Juarez-Acoustic-Cutaway-038C-Strings/dp/B017NPCSLI/ref=sr_1_5?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-5

Appended URL: https://www.amazon.in/Yamaha-Acoustic-Tobacco-Sunburst-Bajaa/dp/B09PBDGD82/ref=sr_1_6?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-6

Appended URL: https://www.amazon.in/JUAREZ-JRZ38C-Acoustic-Sunburst-Strings/dp/B01FYTDS6/ref=sr_1_7?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-7

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Appended URL: https://www.amazon.in/Juarez-JRZ-ST01-6-String-Electric-Without/dp/B01FYZSOGM/ref=sr_1_9?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-9

Appended URL: https://www.amazon.in/Intern-INT-38C-Acoustic-Guitar-Blue/dp/B073B5RZBV/ref=sr_1_10?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-10

Appended URL: https://www.amazon.in/Yamaha-F280-Acoustic-Guitar-Natural/dp/B08317Y4VP/ref=sr_1_11?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-11

Appended URL: https://www.amazon.in/Intern-Acoustic-Steel-string-plectrums-INT-38C-WH/dp/B09LR94Z2X/ref=sr_1_12?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-12

Appended URL: https://www.amazon.in/Kadence-Frontier-Acoustic-Guitar-Strings/dp/B078GTJP5Y/ref=sr_1_13?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-13

Appended URL: https://www.amazon.in/Acoustic-plectrums-stability-age-groups-Sunburst/dp/B09YH77571/ref=sr_1_14?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-14

Appended URL: https://www.amazon.in/Yamaha-6-String-Acoustic-Right-Handed-Sunburst/dp/B00WITGQO/ref=sr_1_15?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-15

Appended URL: https://www.amazon.in/Henrix-Cutaway-Acoustic-Die-cast-Dual-action/dp/B07VHSCGCG/ref=sr_1_16?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-16

Appended URL: https://www.amazon.in/Intern-INT-38C-NT-G-Guitar-Kit-Natural/dp/B07K9MZZH9/ref=sr_1_17?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-17

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Appended URL: https://www.amazon.in/Medellin-Acoustic-Guitar-learning-Strings/dp/B0CCNSN9BV/ref=sr_1_20?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-20

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Appended URL: https://www.amazon.in/Ultimate-Concert-Cutaway-Acoustic-Bajao/dp/B08WHWKKV5/ref=sr_1_25?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-25

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Appended URL: https://www.amazon.in/Intern-INT-38C-Acoustic-Guitar-Purple/dp/B073B4CT2F/ref=sr_1_32?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-32

Appended URL: https://www.amazon.in/Fender-String-Cutaway-Acoustic-Guitar/dp/B07YX5W8MV/ref=sr_1_33?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-33

Appended URL: https://www.amazon.in/Kadence-Frontier-Acoustic-Guitar-Equalizer/dp/B01HRIHJWY/ref=sr_1_34?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-34

Appended URL: https://www.amazon.in/Yamaha-F310P-Acoustic-PitchPipe-StringWinder/dp/B00RW17X28/ref=sr_1_35?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-35

Appended URL: https://www.amazon.in/JRZ38C-VTS-Strings-Acoustic-Cutaway/dp/B072MFLQC9/ref=sr_1_36?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-36

Appended URL: https://www.amazon.in/Blueberry-VIP-380-38Inch-Acoustic-Guitar/dp/B0BVR96DWH/ref=sr_1_37?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-37

Appended URL: https://www.amazon.in/Blueberry-38C-Acoustic-Guitar-Strings/dp/B08KLMV4XX/ref=sr_1_38?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-38

Appended URL: https://www.amazon.in/PS-Signature-41inch-Acoustic-Strings/dp/B0CGXL3VKG/ref=sr_1_39?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-39

Appended URL: https://www.amazon.in/FS80C-Acoustic-Cutaway-Concert-Plectrums/dp/B08XVV1WH7/ref=sr_1_40?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-40

Appended URL: https://www.amazon.in/Tanglewood-Crossroads-TWCR-DCE-Dreadnought/dp/B0746PZSJB/ref=sr_1_41?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-41

Appended URL: https://www.amazon.in/Kadence-A281BK-Professional-Acoustic-Rosewood/dp/B0CD7D6C6R/ref=sr_1_42?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-42

Appended URL: https://www.amazon.in/Acoustic-F280-Plectrums-Natural/dp/B092TPXZRN/ref=sr_1_43?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-43

Appended URL: https://www.amazon.in/Yamaha-Classical-Guitar-C40-02/dp/B003UGCUFE/ref=sr_1_44?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-44

Appended URL: https://www.amazon.in/Kadence-Acoustica-Acoustic-Guitar-Spruce/dp/B08L7XW5SR/ref=sr_1_45?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-45

Appended URL: https://www.amazon.in/Blueberry-B-D38-Acoustic-Inbuilt-Strings/dp/B07PGV8VCB/ref=sr_1_46?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-46

Appended URL: https://www.amazon.in/Fender-Dread-String-Acoustic-Guitar/dp/B07RL6VG3H/ref=sr_1_47?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-47

Appended URL: https://www.amazon.in/Juarez-Acoustic-Guitar-Cutaway-Strings/dp/B076QHZ4HZ/ref=sr_1_48?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-48

Appended URL: https://www.amazon.in/Yamaha-F310-6-Strings-Acoustic-Natural/dp/B000RVYW7E/ref=sr_1_49?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-49

Appended URL: https://www.amazon.in/Yamaha-FS-100C-6-String-Acoustic-without/dp/B00PAS9CK6/ref=sr_1_50?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-50

Appended URL: https://www.amazon.in/DEVICE-URBAN-INFOTECH-Acoustic-Beginners/dp/B0CMX7GGZC/ref=sr_1_51?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-51

Appended URL: https://www.amazon.in/Kadence-strings-Slowhand-Acoustic-KSH04-12EQ/dp/B0CGDG462X/ref=sr_1_52?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-52

Appended URL: https://www.amazon.in/FS80C-Acoustic-Cutaway-Concert-Plectrums/dp/B09HSHGD3B/ref=sr_1_53?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-53

Appended URL: https://www.amazon.in/YAMAHA-FS80C-CONCERT-CUTAWAY-GUITAR/dp/B08WBBVMVJ/ref=sr_1_54?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085638&sprefix=guitar%2Caps%2C407&sr=8-54

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Appended URL: https://www.amazon.in/Ibanez-IBA-MD39CNT-Acoustic-Guitar-MD39C-NT/dp/B07G4CCMYL/ref=sr_1_67?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085687&sprefix=guitar%2Caps%2C407&sr=8-67

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Appended URL: https://www.amazon.in/PS-Signature-41inch-Acoustic-Strings/dp/B0C43LH9QS/ref=sr_1_72?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085687&sprefix=guitar%2Caps%2C407&sr=8-72

Appended URL: https://www.amazon.in/Fender-FA-125CE-Dreadnought-Fingerboard-Natural/dp/B07R16NMKH/ref=sr_1_73?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085687&sprefix=guitar%2Caps%2C407&sr=8-73

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Appended URL: https://www.amazon.in/sspa/click?ie=UTF8&spc=MTozNjI2NTc4NjQ1OTc4NzE4OjE3MDMwODU2OTI6c3BfYXRmX25leHQ6MzAwMTA3OTQ3NjM3NTMyOjowOjo&url=%2FAcoustic-Pick-up-stability -professional-amplificaiton%2Fdp%2FB09YH8X5CL%2Fref%3Dsr_1_100_sspa%3Fcrd%3D1409DKOLWET Z1%26keywords%3DGuitar%26qid%3D1703085692%26sprefix%3DGuitar%252Caps%252C407%26sr%3D8-10 0-spons%26sp_csd%3Dd21kZ2V0TmFtZTlzcF9hdGZfbmV4dA%26psc%3D1

Appended URL: https://www.amazon.in/Fender-SA105CEBK-Acoustic-Guitar/dp/B01N6KME9M/ref=s r_1_101?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr= 8-101

Appended URL: https://www.amazon.in/Rosewood-Fretboard-Acoustic-Strings-K-Retail/dp/B07K LG8C4P/ref=sr_1_102?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Ca ps%2C407&sr=8-102

Appended URL: https://www.amazon.in/Kadence-Concert-Ukulele-Equalizer-Binding/dp/B08PNSG QBL/ref=sr_1_103?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps% 2C407&sr=8-103

Appended URL: https://www.amazon.in/Cort-AD810BKS-Standard-Dreadnought-Mahogany/dp/B00KQ EXK2A/ref=sr_1_104?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Cap s%2C407&sr=8-104

Appended URL: https://www.amazon.in/Blueberry-Acoustic-Inbuilt-Strings-Classic/dp/B09VLF 7G2D/ref=sr_1_105?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Cap s%2C407&sr=8-105

Appended URL: https://www.amazon.in/NOVA-SP1-Acoustic-AcousticPlus-Instrument/dp/B0BHZBS K2X/ref=sr_1_106?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps% 2C407&sr=8-106

Appended URL: https://www.amazon.in/Intern-INT-38C-SB-G-Guitar-Kit-Sunburst/dp/B07K8WLPL H/ref=sr_1_97?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C4 07&sr=8-97

Appended URL: https://www.amazon.in/Tanglewood-Crossroads-Acoustic-Strings-Orchestra/dp/ B016KJHSV8/ref=sr_1_98?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar% 2Caps%2C407&sr=8-98

Appended URL: https://www.amazon.in/Kadence-Frontier-Acoustic-Equalizer-Foldable/dp/B01I 50UMPO/ref=sr_1_99?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Cap s%2C407&sr=8-99

Appended URL: https://www.amazon.in/Tanglewood-Crossroads-Acoustic-Strings-Dreadnought/d p/B01BFEQFDU/ref=sr_1_100?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guita r%2Caps%2C407&sr=8-100

Appended URL: https://www.amazon.in/Neowood-FLY-SM-Acoustic-Plectrums-Protectors/dp/B0CL NS3HX4/ref=sr_1_101?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Ca ps%2C407&sr=8-101

Appended URL: https://www.amazon.in/Cort-AF500C-Gig-Bag-Polishing-Cloth/dp/B0C494C1FV/re f=sr_1_102?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407& sr=8-102

Appended URL: https://www.amazon.in/Epiphone-AJ-220S-Acoustic-Guitar-Natural/dp/B003TZCH MW/ref=sr_1_103?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2 C407&sr=8-103

Appended URL: https://www.amazon.in/Firevally-Childrens-Instrument-Educational-Instrumen ts/dp/B0BL15WBRs/ref=sr_1_104?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix= guitar%2Caps%2C407&sr=8-104

Appended URL: https://www.amazon.in/WOODEN-Guitar-Beginner-Adults-Starter/dp/B0C816MJ4Y/ ref=sr_1_105?crd=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C40 7&sr=8-105

Appended URL: https://www.amazon.in/Tanglewood-Discovery-Acoustic-Strings-Ovangkol/dp/B00BDL5KC8/ref=sr_1_106?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-106

Appended URL: https://www.amazon.in/sspa/click?ie=UTF8&spc=MTozNjI2NTc4NjQ1OTc4NzE4OjE3MDMwODU2OTI6c3BfbXRmOjIwMDg4NDY1OTc5NDA0OjowOjo&url=%2FHenrix-Acoustic-Guitar-Die-cast-Dual-action%2Fdp%2FB07VNDWSGD%2Fref%3Dsr_1_107_ssapa%3Fcrd%3D1409DKOLWETZ1%26keywords%3DGuitar%26qid%3D1703085692%26sprefix%3Dguitar%252Caps%252C407%26sr%3D8-107-spons%26sp_csd%3Dd21kZ2V0TmFtZTlzcF9tdGY%26psc%3D1

Appended URL: https://www.amazon.in/sspa/click?ie=UTF8&spc=MTozNjI2NTc4NjQ1OTc4NzE4OjE3MDMwODU2OTI6c3BfbXRmOjIwMDkyNjI0MDIxNDk4OjowOjo&url=%2FPremium-Spruce-Top-Dreadnought-Acoustic-Guitar%2Fdp%2FB0BJK1CWSN%2Fref%3Dsr_1_108_ssapa%3Fcrd%3D1409DKOLWETZ1%26keywords%3DGuitar%26qid%3D1703085692%26sprefix%3Dguitar%252Caps%252C407%26sr%3D8-108-spons%26sp_csd%3Dd21kZ2V0TmFtZTlzcF9tdGY%26psc%3D1

Appended URL: https://www.amazon.in/sspa/click?ie=UTF8&spc=MTozNjI2NTc4NjQ1OTc4NzE4OjE3MDMwODU2OTI6c3BfbXRmOjMwMDEwODM5NDgwNTgzMjo6MDo6&url=%2FAcoustic-plectrums-stability-resistance-Sunburst%2Fdp%2FB09YH85679%2Fref%3Dsr_1_109_ssapa%3Fcrd%3D1409DKOLWETZ1%26keywords%3DGuitar%26qid%3D1703085692%26sprefix%3Dguitar%252Caps%252C407%26sr%3D8-109-spons%26sp_csd%3Dd21kZ2V0TmFtZTlzcF9tdGY%26psc%3D1

Appended URL: https://www.amazon.in/sspa/click?ie=UTF8&spc=MTozNjI2NTc4NjQ1OTc4NzE4OjE3MDMwODU2OTI6c3BfbXRmOjMwMDEwNzg4OTYyMjIzMjo6MDo6&url=%2FGT-KIT-001-Accessories-Replacement-Acoustic%2Fdp%2FB0C287N197%2Fref%3Dsr_1_110_ssapa%3Fcrd%3D1409DKOLWETZ1%26keywords%3DGuitar%26qid%3D1703085692%26sprefix%3Dguitar%252Caps%252C407%26sr%3D8-110-spons%26sp_csd%3Dd21kZ2V0TmFtZTlzcF9tdGY%26psc%3D1

Appended URL: https://www.amazon.in/Yamaha-C40MII-Acoustic-Concert-Guitar/dp/B005LG2JRK/ref=sr_1_111?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-111

Appended URL: https://www.amazon.in/JUAREZ-JRZ38CTR-BK-Acoustic-Guitar/dp/B08FTZK7H8/ref=sr_1_112?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-112

Appended URL: https://www.amazon.in/Fender-FA-235E-Concert-Bodied-Acoustic/dp/B07BCQ7P7Z/ref=sr_1_113?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-113

Appended URL: https://www.amazon.in/Pluse-Classical-Portable-Excellent-Instrument/dp/B0C8B1XZ94/ref=sr_1_114?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-114

Appended URL: https://www.amazon.in/Fender-Acoustic-Cutaway-Electronics-970113021/dp/B01MSBHU7X/ref=sr_1_115?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-115

Appended URL: https://www.amazon.in/Yamaha-F310-Gig-Maker-Package/dp/B0002H0KGK/ref=sr_1_116?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-116

Appended URL: https://www.amazon.in/PS-Signature-Acoustic-Natural-Strings/dp/B0CK4XXQ7J/ref=sr_1_117?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-117

Appended URL: https://www.amazon.in/Ibanez-GRG170DX-Electric-Guitar-Black/dp/B001EM1800/ref=sr_1_118?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-118

Appended URL: https://www.amazon.in/Imaginea-Beginners-instrument-Accessories-Bohemian-Belt/dp/B0CMXD4S8M/ref=sr_1_119?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-119

Appended URL: https://www.amazon.in/Performer-Premium-Electro-Acoustic-Effects/dp/B09P1CZQMV/ref=sr_1_120?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-120

Appended URL: https://www.amazon.in/Juarez-Acoustic-Guitar-Cutaway-Hippie/dp/B0CG8Y6TVV/ref=sr_1_121?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-121

Appended URL: https://www.amazon.in/Blueberry-Acoustic-Guitar-Inbuilt-Strings/dp/B07PHZ16BG/ref=sr_1_122?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-122

Appended URL: https://www.amazon.in/SF-600GC-NAT-Concert-Cutaway-Acoustic-Natural/dp/B0BRJFTZZ3/ref=sr_1_123?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-123

Appended URL: https://www.amazon.in/Niralasa-Acoustic-Adjustable-Classical-Instrument/dp/B0963F7MTR/ref=sr_1_124?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-124

Appended URL: <https://www.amazon.in/Belear-Spruce-Cutaway-Acoustic-Guitar/dp/B0BHTBLQGZ/>

ref=sr_1_125?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-125

Appended URL: https://www.amazon.in/Yamaha-Folk-Acoustic-Guitar-Natural/dp/B01C92QHLC/ref=sr_1_126?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-126

Appended URL: https://www.amazon.in/Yamaha-Classical-C40-Bajaa-Gig-Bag/dp/B0BLHJS8DY/ref=sr_1_127?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-127

Appended URL: https://www.amazon.in/Medellin-Acoustic-adjustable-Truss-rod-learning/dp/B0BMKX4HNP/ref=sr_1_128?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-128

Appended URL: https://www.amazon.in/YRTOYS-Acoustic-Instrument-Educational-Beginners/dp/B0C1ZJQ6K4/ref=sr_1_129?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-129

Appended URL: https://www.amazon.in/Givson-Ketostics-Guitar-Acoustic-Plectrums/dp/B08KS5MRSC/ref=sr_1_130?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-130

Appended URL: https://www.amazon.in/Fender-FA-345CE-Auditorium-Acoustic-Guitar/dp/B07984RR41/ref=sr_1_131?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-131

Appended URL: https://www.amazon.in/Ibanez-GRG121DXBKN-GRG121DX-Electric-Guitar/dp/B008LV01P4/ref=sr_1_132?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-132

Appended URL: https://www.amazon.in/Martin-Smith-W-101-SB-PK-Acoustic-Guitar/dp/B019MY0ZGI/ref=sr_1_133?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-133

Appended URL: https://www.amazon.in/Grofly-Decoration-Miniature-Musical-Instrument/dp/B0C6MNRKCS/ref=sr_1_134?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-134

Appended URL: https://www.amazon.in/Tanglewood-Crossroads-Acoustic-Strings-Dreadnought/dp/B016KJHWGY/ref=sr_1_135?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-135

Appended URL: https://www.amazon.in/Kadence-Classical-Acoustic-Beginner-Professional/dp/B09M3J192L/ref=sr_1_136?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-136

Appended URL: https://www.amazon.in/Vault-ST1-Premium-Electric-Guitar/dp/B09GLZV36M/ref=sr_1_137?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-137

Appended URL: https://www.amazon.in/Epiphone-DR-100-Acoustic-Guitar-Natural/dp/B0002D02IU/ref=sr_1_138?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-138

Appended URL: https://www.amazon.in/KAVI-ENTERPRISE-Classical-Excellent-Instrument/dp/B0C8D116FZ/ref=sr_1_139?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-139

Appended URL: https://www.amazon.in/Yamaha-PAC012-Electric-Guitar-Metallic/dp/B000MLY7XS/ref=sr_1_140?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-140

Appended URL: https://www.amazon.in/JUAREZ-Acoustic-Cutaway-Rosewood-Fretboard/dp/B08GZZ6SQ2/ref=sr_1_141?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-141

Appended URL: https://www.amazon.in/Fender-CD-60S-Dreadnought-Acoustic-Guitar/dp/B07FYBLG93/ref=sr_1_142?crid=1409DKOLWETZ1&keywords=Guitar&qid=1703085692&sprefix=guitar%2Caps%2C407&sr=8-142

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Appended URL: https://www.amazon.in/sspa/click?ie=UTF8&spc=MTozNjI2NTc4NjQ1OTc4NzE4OjE3MDMwODU2OTI6c3BfYnRmOjMwMDA5MDEyNDY4NDczMjo6MDo6&url=%2FGuitar-Machine-Acoustic-Electric-Guitars%2Fdp%2FB0C2CKS5L6%2Fref%3Dsr_1_144_sspa%3Fcrid%3D1409DKOLWETZ1%26keywords%3DGuitar%26qid%3D1703085692%26sprefix%3Dguitar%252Caps%252C407%26sr%3D8-144-spons%26sp_csd%3Dd21kZ2V0TmFtZTlzcF9idGY%26psc%3D1

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```
s%3DGuitar%26qid%3D1703085692%26sprefix%3DGuitar%252Caps%252C407%26sr%3D8-145-spons%26sp_csd%3Dd21kZ2V0TmFtZTlzcF9idGY%26psc%3D1
Appended URL: https://www.amazon.in/sspa/click?ie=UTF8&spc=MTozNjI2NTc4NjQ1OTc4NzE4OjE3MDMwODU2OTI6c3BfYnRmOjMwMDA5MDEyNDY4NDgzMjo6MDo6&url=%2FStrings-Changing-Multicolored-Acoustic-Guitars%2Fdp%2FB0C6DVLGLP%2Fref%3Dsr_1_146_sspa%3Fcrd%3D1409DKOLWETZ1%26keywords%3DGuitar%26qid%3D1703085692%26sprefix%3DGuitar%252Caps%252C407%26sr%3D8-146-spons%26sp_csd%3Dd21kZ2V0TmFtZTlzcF9idGY%26psc%3D1
Finished processing page 2
```

```
In [9]: len(product_url)
```

```
Out[9]: 180
```

```
In [10]: #Creating empty list and appending values in the list
```

```
for url in product_url:
    driver.get(url)
    time.sleep(3)
```

```
brand = []
product = []
price = []
exchange = []
expected_delivery = []
availability = []
ProductURL = []
```

```
In [13]: for url in product_url:
    driver.get(url)
    time.sleep(3)

    try:
        brand_n=driver.find_element(By.XPATH,"/html/body/div[2]/div/div[5]/div[3]/div[4]
        brand.append(brand_n.text)
    except NoSuchElementException:
        brand.append('-----')

    try:
        product_name=driver.find_element(By.XPATH,"/html/body/div[2]/div/div[5]/div[3]/d
        product.append(product_name.text)
    except NoSuchElementException:
        product.append('-----')

    try:
        product_price=driver.find_element(By.XPATH,"/html/body/div[2]/div/div[5]/div[3]/
        price.append(product_price.text)
    except NoSuchElementException:
        price.append('-----')

    try:
        delivery=driver.find_element(By.XPATH,"/html/body/div[2]/div/div[5]/div[3]/div[1]
        expected_delivery.append(delivery.text)
    except NoSuchElementException:
        expected_delivery.append('-----')

    try:
```

```
available=driver.find_element(By.XPATH, "/html/body/div[2]/div/div[5]/div[3]/div[
availability.append(available.text)
except NoSuchElementException:
availability.append("-----")
```

```
In [36]: brand=brand[0:180]
product=product[0:180]
price=price[0:180]
availability=availability[0:180]
expected_delivery=expected_delivery[0:180]
```

```
In [37]: data = {
'Brand': brand,
'Product': product,
'Price': price,
'Availability': availability,
'Delivery': expected_delivery
}
```

```
In [38]: df = pd.DataFrame(data)
```

```
In [ ]: df.to_csv('List.csv', index=False)
```

```
In [39]: df
```

	Brand		Product	Price	Availability	Delivery
0	Intern	Intern	Intern INT-38C Acoustic Guitar Kit (Blue)	----- --	In stock	FREE delivery Tuesday, 26 December. Order with...
1	Intern	Intern	Intern INT-38C Acoustic Guitar Kit (Blue)	----- --	In stock	FREE delivery Tuesday, 26 December. Order with...
2	Kadence	Kadence	Kadence Frontier guitar with Online Guitar lea...	----- --	In stock	FREE delivery Wednesday, 27 December. Details
3	VAULT	Vault	DA20 Dreadnought Acoustic Guitar With Gi...	----- --	In stock	FREE delivery Monday, 25 December. Order withi...
4	-----		-----	----- --	In stock	-----
...
175	VAULT	Vault	ST1 Premium Electric Guitar - Black	----- --	-----	FREE delivery Tuesday, 26 December. Order with...
176	-----		-----	----- --	-----	-----
177	-----		-----	----- --	-----	-----
178	-----		-----	----- --	-----	-----
179	-----		-----	----- --	In stock	-----

180 rows × 5 columns

```
In [40]: print('exchange element is not available')
```

```
print('*****END*****')
*****END*****
```

In [10]:

In [46]:

```
#3
print ("****DOWNLOADING IMAGES OF FRUITS*****")

****DOWNLOADING IMAGES OF FRUITS*****
```

In [32]:

```
driver.get('https://images.google.com/')

```

In [33]:

```
search_bar=driver.find_element(By.NAME,"q")
search_bar.send_keys("fruits")
```

In [34]:

```
search_button=driver.find_element(By.XPATH,"/html/body/div[1]/div[3]/form/div[1]/div[1]/  
search_button.click()
```

In [44]:

```
for _ in range(2):
    driver.execute_script("window.scrollTo(0,1000)")

images = driver.find_elements(By.XPATH, '//img[@class="rg_i Q4LuWd"]')

img_urls = []
for image in images:
    source = image.get_attribute('src')
    if source is not None and source[0:4] == 'http':
        img_urls.append(source)

for i in range(len(img_urls)):
    if i > 10:
        break
```

In [53]:

```
print (img_urls[0:10])
```

```
['https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQf0wspC0tdJVSiyDCoj-L97EVsBHRhtuPjla&usqp=CAU', 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQfWC085BV8I3eQLWrvhPGpuSYGPu_z0hFuDw&usqp=CAU', 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQv1U1EPvFsnxajWjn8Ys0KNiphTHKkY7TXdA&usqp=CAU', 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTT6kwuFdtWm4PJgVwkWRR3PXxeDPK_w6EJg&usqp=CAU', 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcSaxfbswq6Y33m-49_iDXlvdYHI_3ux83ZQ8w&usqp=CAU', 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcRyvxcVbOUgajdKTgglGInKQz7_FRa4AZNsg&usqp=CAU', 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTda3avPop7M7KH3je8hmAfQriISX9EHPAWVA&usqp=CAU', 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQJOXtvD2gKgYxBTR7HvugoAFpwYlbnGPJK7w&usqp=CAU', 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcRMwjK_-B_AlisSaozsCiPZZ7d4jqEB_xpNWQ&usqp=CAU', 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcSiabTcCMmn_18aCdFF0U7c_FU5zQgVrph9A&usqp=CAU']
```

In [47]:

```
print ("***DOWNLOADING IMAGES OF CARS*****")
```

```
***DOWNLOADING IMAGES OF CARS*****
```

In [48]:

```
driver.get('https://images.google.com/')

```

In [49]:

```
search_bar=driver.find_element(By.NAME,"q")
search_bar.send_keys("cars")
```

In [50]:

```
search_button=driver.find_element(By.XPATH,"/html/body/div[1]/div[3]/form/div[1]/div[1]/  
search_button.click()
```

In [51]:

```
for i in range(2):
```

```

        driver.execute_script("window.scrollTo(0,1000)")

images = driver.find_elements(By.XPATH, '//*[@class="rg_i Q4LuWd"]')

img_urls = []
for image in images:
    source = image.get_attribute('src')
    if source is not None and source[0:4] == 'http':
        img_urls.append(source)
for i in range(len(img_urls)):
    if i > 10:
        break

```

In [54]: `print(img_urls[0:10])`

```

['https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQf0wspC0tdJVSIyDCoj-L97EVsBHRhtu
PjlA&usqp=CAU', 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQfWCO85BV8I3eQLWr
vhPGpuSYGPu_z0hFuDw&usqp=CAU', 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQv
lU1EPvFsnxajWjn8Ys0KNiphTHKkY7TXdA&usqp=CAU', 'https://encrypted-tbn0.gstatic.com/image
s?q=tbn:ANd9GcTT6kwuFdtWm4PJgVwkWRr3PXxeDPK_w6EJg&usqp=CAU', 'https://encrypted-tbn0.gs
tatic.com/images?q=tbn:ANd9GcSaxfbswq6Y33m-49_iDXlvdYHI_3ux83ZQ8w&usqp=CAU', 'https://en
crypted-tbn0.gstatic.com/images?q=tbn:ANd9GcRyvxcovbOUgajdKTgg1GInKQz7_FRa4AZNsg&usqp=CA
U', 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTda3avPop7M7KH3je8hmAfQriISX9
EHPAWVA&usqp=CAU', 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQJOXtvD2gKgYxB
TR7HvugoAFpwYlbgPJK7w&usqp=CAU', 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9G
cRMwjK_-B_AlisSaozsCiPZZ7d4jqEB_xpNWQ&usqp=CAU', 'https://encrypted-tbn0.gstatic.com/ima
ges?q=tbn:ANd9GcSiabTcCMmn_18aCdFF0U7c_FU5zQgVruph9A&usqp=CAU']

```

In [55]: `print ("****DOWNLOADING IMAGES OF CAKES*****")`

```

****DOWNLOADING IMAGES OF CAKES*****

```

In [56]: `driver.get('https://images.google.com/')`

In [57]: `search_bar=driver.find_element(By.NAME,"q")`
`search_bar.send_keys("cakes")`

In [58]: `search_button=driver.find_element(By.XPATH,"/html/body/div[1]/div[3]/form/div[1]/div[1]/`
`search_button.click()`

In [59]: `for _ in range(2):`
 `driver.execute_script("window.scrollTo(0,1000)")`

`images = driver.find_elements(By.XPATH, '//*[@class="rg_i Q4LuWd"]')`

`img_urls = []`
`for image in images:`
 `source = image.get_attribute('src')`
 `if source is not None and source[0:4] == 'http':`
 `img_urls.append(source)`
`for i in range(len(img_urls)):`
 `if i > 10:`
 `break`

In [60]: `print(img_urls[0:10])`

```

['https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTbngjFw7cGhkPYydLabFXvg0f4CSDMFp
LdwQ&usqp=CAU', 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTwSUC7d7LAY7SvHUz
339wBJ_xGf3fH75VeUg&usqp=CAU', 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQj
IMRwkqddCEMxfDlqN3Un47R5RNeJm7rH9w&usqp=CAU', 'https://encrypted-tbn0.gstatic.com/image
s?q=tbn:ANd9GcQSZIggclFXvbpMmeRZC4KcdRoN8DWaYDgkuA&usqp=CAU', 'https://encrypted-tbn0.gs
tatic.com/images?q=tbn:ANd9GcQBnfTXs9DpaPffvPTpjsS2XrGmEqiS1PebKA&usqp=CAU', 'https://en
crypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQkvQOT345BN0NHP7F5mpY5sELIPCQJEIsRHA&usqp=CA
U', 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTzVvNmcG6XK_Jz4tXh6SA-3wfxgK

```



```
img_urls = []
for image in images:
    source = image.get_attribute('src')
    if source is not None and source[0:4] == 'http':
        img_urls.append(source)
for i in range(len(img_urls)):
    if i > 10:
        break
```

In [72]: `print(img_urls[0:10])`

```
['https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTjQcDEGsCPHBOZrVjZLaj02_ZVm1T7tAmHYg&usqp=CAU', 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcScZK3-XI5moPuKJ2LjEzcjMX0oKNJC3BCrJQ&usqp=CAU', 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcSDtQNqVFET53tokgGqDlaV_Tkl62lzYgkAPw&usqp=CAU', 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcRcVxgaRgghC63nA2ncnoQ7eYGL-36FIoxvg&usqp=CAU', 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcSy0yFekydhpkm5RiaP18D-aRILu2DHpNkzEQ&usqp=CAU', 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcSgIDSSLaV72bv-cunbXYIw6SeUGctfGI0kaQ&usqp=CAU', 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTvYIXoM1kLZyLRRb61chOJ7W-9DfCYwMsQRg&usqp=CAU', 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcSEoYDh3-OKkwgnMNFxjH9aAMkOtFZ03KTUbQ&usqp=CAU', 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcSwAdoibk7daqIitkwbiCy7idVeQE3UAqzD_Q&usqp=CAU', 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTWdqwh-qAr8pzeUDy7v5VAvflrguv-AcEzGw&usqp=CAU']
```

In [73]: `print('*****')`

```
*****
*****
```

In [3]: `#5.`
`driver.get("https://maps.google.com")`

In [6]: `search_bar=driver.find_element(By.XPATH,'//input[@jslog="11886"]')`
`search_bar.send_keys('Kolkata')`

In [8]: `search_button = driver.find_element(By.XPATH,'//button[@class="mL3xi google-symbols"]')`
`search_button.click()`

In [9]: `url_string = driver.current_url`

In [10]: `url_string`

Out[10]: `'https://www.google.com/maps/place/Kolkata,+West+Bengal/@22.5356606,88.1825389,11z/data=!3m1!4b1!4m6!3m5!1s0x39f882db4908f667:0x43e330e68f6c2cbc!8m2!3d22.572646!4d88.363895!16zL20vMGN2dzk?entry=ttu'`

In [12]: `print("URL:", url_string)`

```
URL: https://www.google.com/maps/place/Kolkata,+West+Bengal/@22.5356606,88.1825389,11z/data=!3m1!4b1!4m6!3m5!1s0x39f882db4908f667:0x43e330e68f6c2cbc!8m2!3d22.572646!4d88.363895!16zL20vMGN2dzk?entry=ttu
```

In [20]: `try:`
`url = url_string`
`lat_lng = url.split('@')[1].split(',')[0:2]`
`latitude = lat_lng[0]`
`longitude = lat_lng[1]`
`print(f"Latitude: {latitude}, Longitude: {longitude}")`
`except Exception as e:`
`print("Failed to extract coordinates:", e)`

```
Latitude: 22.5356606, Longitude: 88.1825389
```

In [21]: `print("*****Latitude and longitude for Kolkata : *****", latitude, longitude)`

*****Latitude and longitude for Kolkata: ***** 22.5356606 88.1825389

```
In [23]: print('*****  
*****  
*****')
```

```
In [69]: #7.  
driver.get("https://www.forbes.com/billionaires/")
```

```
In [80]: driver.execute_script("window.scrollTo(0,1000)")  
  
rank_element = []  
name_element = []  
networth_element = []  
age_element = []  
country_element = []  
category_element = []
```

```
In [81]: try:  
    rank_elements = driver.find_elements(By.XPATH, '//div[@class="Table_rank___YBhk Table  
    for i in rank_elements:  
        rank = i.text  
        rank_element.append(rank)  
except NoSuchElementException as e:  
    print("Exception Raised:",e)
```

```
In [82]: try:  
    name_elements = driver.find_elements(By.XPATH, '//div[@class="TableRow_cell___db-hv Ta  
    for i in name_elements:  
        name = i.text  
        name_element.append(name)  
except NoSuchElementException as e:  
    print("Exception Raised:",e)
```

```
In [83]: try:  
    networth_elements = driver.find_elements(By.XPATH, '//div[@class="Table_netWorth___L4  
    for i in networth_elements:  
        networth = i.text  
        networth_element.append(networth)  
except NoSuchElementException as e:  
    print("Exception Raised:",e)
```

```
In [84]: try:  
    age_elements = driver.find_elements(By.XPATH, '//div[@class="TableRow_cell___db-hv Tab  
    for i in age_elements:  
        age = i.text  
        age_element.append(age)  
except NoSuchElementException as e:  
    print("Exception Raised:",e)
```

```
In [85]: try:  
    country_elements = driver.find_elements(By.XPATH, '//div[@class="TableRow_cell___db-hv
```

```

    for i in country_elements:
        country = i.text
        country_element.append(country)
except NoSuchElementException as e:
    print("Exception Raised:",e)

```

```

In [86]: try:
        category_elements = driver.find_elements(By.XPATH,'//div[@class="TableRow_cell__db-h
        for i in category_elements:
            category = i.text
            category_element.append(category)
except NoSuchElementException as e:
    print("Exception Raised:",e)

```

```

In [87]: data = {
        'Name': name_element,
        'Networth': networth_element,
        'Age': age_element,
        'Rank': rank_element,
        'Country': country_element,
        'Category': category_elements
        }

```

```

In [88]: df = pd.DataFrame(data)

```

```

In [89]: df

```

```

Out[89]:

```

	Name	Networth	Age	Rank	Country	Category
0	Bernard Arnault & family	\$211 B	74	1	France	<selenium.webdriver.remote.webelement.WebEleme...
1	Elon Musk	\$180 B	51	2	United States	<selenium.webdriver.remote.webelement.WebEleme...
2	Jeff Bezos	\$114 B	59	3	United States	<selenium.webdriver.remote.webelement.WebEleme...
3	Larry Ellison	\$107 B	78	4	United States	<selenium.webdriver.remote.webelement.WebEleme...
4	Warren Buffett	\$106 B	92	5	United States	<selenium.webdriver.remote.webelement.WebEleme...
...
195	Jin Baofang	\$9.6 B	70	195	China	<selenium.webdriver.remote.webelement.WebEleme...
196	Luo Liguu & family	\$9.6 B	67	195	China	<selenium.webdriver.remote.webelement.WebEleme...
197	Marijke Mars	\$9.6 B	58	195	United States	<selenium.webdriver.remote.webelement.WebEleme...
198	Pamela Mars	\$9.6 B	62	195	United States	<selenium.webdriver.remote.webelement.WebEleme...
199	Valerie Mars	\$9.6 B	64	195	United States	<selenium.webdriver.remote.webelement.WebEleme...

200 rows × 6 columns

```

In [90]: print('*****')

```

```
*****
*****
*****
```

```
In [91]: #8.
driver.get("https://youtube.com")
```

```
In [92]: video_url = "https://www.youtube.com/watch?v=PmdyY38g6Rg"
driver.get(video_url)
time.sleep(5)
```

```
In [118... Comment=[]
try:
    comment_element=driver.find_elements(By.XPATH, '//div[@class="style-scope ytd-comment
    for i in comment_element[0:300]:
        comment=i.text
        Comment.append(comment)
except NoSuchElementException as e:
    print("Exception Raised:",e)
```

```
In [119... len(Comment)
```

```
Out[119]: 500
```

```
In [124... Upvote=[]
try:
    upvote_element = driver.find_elements(By.CSS_SELECTOR, '#vote-count-middle')
    for i in upvote_element[0:500]:
        upvote=i.text
        Upvote.append(upvote)
except NoSuchElementException as e:
    print("Exception Raised:",e)
```

```
In [125... len(Upvote)
```

```
Out[125]: 500
```

```
In [126... Time_posted=[]
try:
    time_element = driver.find_elements(By.CSS_SELECTOR, 'yt-formatted-string.published-
    for i in time_element[0:500]:
        time=i.text
        Time_posted.append(time)
except NoSuchElementException as e:
    print("Exception Raised:",e)
```

```
In [127... len(Time_posted)
```

```
Out[127]: 500
```

```
In [128... data = {
    'Comment': Comment,
    'Upvote': Upvote,
    'Time Posted': Time_posted,
}
```

```
In [130... df=pd.DataFrame(data)
```

```
In [131... df
```

```
Out[131]:
```

	Comment	Upvote	Time Posted
--	---------	--------	-------------

0	Lord Bobby spent his whole life to be a hero a...	3.1K	1 day ago
1	I experienced it in theatres and believe me no...	1.3K	1 day ago
2	Bobby Deol deserves heartfelt appreciation for...	686	1 day ago
3	Song	717	23 hours ago
4	This is not just a BGM it's the vibe that gave...	323	1 day ago
...
495	#1 trending		11 hours ago
496	Man in theaters it gives different vibes but i...	94	2 days ago
497	All hail lord Bobby's supremacy	1	8 hours ago
498	Lord bobby		1 day ago
499	Waiting for Dolby Song		8 hours ago

500 rows × 3 columns

```
In [132... print('*****
*****
*****')
```

```
In [216... #9.
driver.get('https://www.hostelworld.com/')
```

```
In [217... search_bar=driver.find_element(By.XPATH, '//input[@class="native-input"]')
```

```
In [218... search_bar.send_keys('London')
```

```
In [219... search_button=driver.find_element(By.XPATH,"/html/body/div[3]/div/div/div[2]/div[2]/div[
search_button.click()
```

```
In [220... #Fetching product URL first
hostel_urls = []
start = 0
end = 1

for page in range(start, end):
    print("Getting URLs from page", page)
    urls = driver.find_elements(By.XPATH, '//div[@class="property-card"]//a')
    for url in urls:
        hostile_urls.append(url.get_attribute('href'))
        print("Appended URL:", url.get_attribute('href'))
        time.sleep(2)
    print("Finished processing page", page)
```

Getting URLs from page 0

Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Wombat-s-City-Hostel-London/London/88047?from=2023-12-20&to=2023-12-23&guests=2>

Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Wombat's%20City%20Hostel%20London/London/88047?from=2023-12-20&to=2023-12-23&guests=2>

Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/St-Christopher-s-Village/London/502?from=2023-12-20&to=2023-12-23&guests=2>

Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/St%20Christopher's%20Village/London/502?from=2023-12-20&to=2023-12-23&guests=2>

Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Palmers-Lodge-Swiss-Cottage/London/14348?from=2023-12-20&to=2023-12-23&guests=2>

Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Palmers%20Lodge%20-%20Sw>

iss%20Cottage/London/14348?from=2023-12-20&to=2023-12-23&guests=2
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Wombat-s-City-Hostel-London/London/88047?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Wombat's%20City%20Hostel%20London/London/88047?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/St-Christopher-s-Village/London/502?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/St%20Christopher's%20Village/London/502?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Onefam-Notting-Hill/London/291433?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Onefam%20Notting%20Hill/London/291433?from=2023-12-20&to=2023-12-23&guests=2>
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Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Palmers%20Lodge%20-%20Swiss%20Cottage/London/14348?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Urbany-Hostel-London/London/303427?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Urbany%20Hostel%20London/London/303427?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Generator-London/London/510?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Generator%20London/London/510?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Safestay-London-Elephant-Castle/London/55551?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Safestay%20London%20Elephant%20%20Castle/London/55551?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Astor-Hyde-Park/London/25678?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Astor%20Hyde%20Park/London/25678?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/NX-London-Hostel/London/15204?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/NX%20London%20Hostel/London/15204?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Astor-Museum-Inn/London/520?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Astor%20Museum%20Inn/London/520?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Safestay-London-Kensington-Holland-Park/London/93920?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Safestay%20London%20Kensington%20Holland%20Park/London/93920?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Clink261/London/516?from=2023-12-20&to=2023-12-23&guests=2>
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Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/No-8-Willesden-Hostel-London/London/18420?from=2023-12-20&to=2023-12-23&guests=2>
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Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Smart-Russell-Square-Hostel/London/29412?from=2023-12-20&to=2023-12-23&guests=2>
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Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Destinations-Hostels-The-Gallery/London/314563?from=2023-12-20&to=2023-12-23&guests=2>
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el-London/London/316723?from=2023-12-20&to=2023-12-23&guests=2
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Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/YHA-London-Oxford-Street/London/6996?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/YHA%20London%20Oxford%20Street/London/6996?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Prime-Backpackers-Angel/London/93902?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Prime%20Backpackers%20Angel/London/93902?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Astor-Victoria/London/524?from=2023-12-20&to=2023-12-23&guests=2>
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Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Saint-James-Backpackers/London/70909?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Saint%20James%20Backpackers/London/70909?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Astor-Kensington/London/523?from=2023-12-20&to=2023-12-23&guests=2>
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Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Pickwick%20Hall/London/7502?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/St-Christopher-s-Inn-London-Bridge/London/503?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/St%20Christopher's%20Inn%20-%20London%20Bridge/London/503?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Onfam-Waterloo/London/39493?from=2023-12-20&to=2023-12-23&guests=2>
Appended URL: <https://www.hostelworld.com/pwa/hosteldetails.php/Onfam%20Waterloo/London/39493?from=2023-12-20&to=2023-12-23&guests=2>
Finished processing page 0

In [222... *#Creating empty list*

```
for url in hostel_urls:
    driver.get(url)
    time.sleep(2)

hostel_name=[]
distance=[]
```

```
ratings=[]
total_review=[]
overall_review=[]
privates_price=[]
dorm_price=[]
facility=[]
property_description=[]
```

```
In [223]: #Appending values
for url in hostel_urls:
    driver.get(url)
    time.sleep(2)

    try:
        name_element = driver.find_elements(By.XPATH, '//div[@class="title-2"]')
        hostel_name.append(name_element.text)
    except NoSuchElementException:
        hostel_name.append('N/A')
```

```
In [ ]: for url in hostel_urls:
    driver.get(url)
    time.sleep(2)

    try:
        overallreview_element = driver.find_elements(By.XPATH, '//div[@class="keyword"]')
        overall_review.append(overallreview_element.text)
    except NoSuchElementException:
        overall_review.append('N/A')
```

```
In [68]: for url in hostel_urls:
    driver.get(url)
    time.sleep(2)

    try:
        privatesprice_element = driver.find_elements(By.XPATH, '//div[@class="price"]')
        privates_price.append(privatesprice_element.text)
    except NoSuchElementException:
        privates_price.append('N/A')
```

```
In [69]: for url in hostel_urls:
    driver.get(url)
    time.sleep(2)

    try:
        dormprice_element = driver.find_elements(By.XPATH, '//div[@class="price"]')
        dorm_price.append(dormprice_element.text)
    except NoSuchElementException:
        dorm_price.append('N/A')
```

```
In [70]: for url in hostel_urls:
    driver.get(url)
    time.sleep(2)

    try:
        facility_element = driver.find_elements(By.XPATH, '//ul[@class="facility-sections"]')
        facility.append(facility_element.text)
```

```
except NoSuchElementException:
    facility.append('N/A')
```

```
In [71]: for url in hostel_urls:
        driver.get(url)
        time.sleep(2)

    try:
        propertydescription_element = driver.find_elements(By.XPATH, '//div[@class="content
        property_description.append(propertydescription_element.text)
    except NoSuchElementException:
        property_description.append('N/A')
```

```
In [75]: hostel_name=hostel_name[0:20]
ratings=ratings[0:20]
total_review=total_review[0:20]
overall_review=overall_review[0:20]
privates_price=privates_price[0:20]
dorm_price=dorm_price[0:20]
facility=facility[0:20]
property description=property description[0:20]
```

```
In [76]: #Creating data frame
data = {
    'Hostel Name': hostel_name,
    'Ratings': ratings,
    'Total Review': total_review,
    'Overall Review': overall_review,
    'Privates Price': privates_price,
    'Dorm Price': dorm_price,
    'Facility': facility,
    'Property Description': property_description
}
```

```
In [ ]: df = pd.DataFrame(data)
```

```
In [78]: print('*****')
*****
*****
```

```
In [97]: #6.  
driver.get('https://digit.in/laptops')
```

```
In [151]: driver.get('https://www.digit.in/top-products/best-amd-gaming-laptop-with-nvidia-geforce
```

```
In [152... #Fetching urls
laptop_urls = []
start = 0
end = 1

for page in range(start, end):

    print("Getting URLs from page", page)
    urls = driver.find_elements(By.XPATH, '//h3[@class="font130 mt0 mb10 mobilesblockdisp
    for url in urls:
        laptop_urls.append(url.get_attribute('href'))
        print("Appended URL:", url.get_attribute('href'))
        time.sleep(2)
    print("Finished processing page", page)
```



```
Getting URLs from page 0
Appended URL: https://www.digit.in/laptops/acer-nitro-5-an515-45-nh-qbsci-002-ryzen-7-5800h-2021-price-295855.html
Appended URL: https://www.digit.in/laptops/hp-victus-ryzen-7-5800h-2022-price-267139.html
Appended URL: https://www.digit.in/laptops/lenovo-legion-5-5th-gen-amd-ryzen-7-5800h-2021-price-288295.html
Appended URL: https://www.digit.in/laptops/dell-alienware-m15-r5-gaming-ryzen-r7-5800h-2022-price-288001.html
Finished processing page 0
```

```
In [207... #Creating empty list
for url in laptop_urls:
    driver.get(url)
    time.sleep(2)
```

```
brand = []
processor = []
display = []
os = []
memory = []
graphic = []
price = []
```

```
In [208... #Extracting data
for url in laptop_urls:
    driver.get(url)
    driver.execute_script("window.scrollTo(0,1000)")
    time.sleep(2)

    try:
        processor_element = driver.find_element(By.XPATH, '/html/body/div[2]/div[3]/div[1]')
    except NoSuchElementException:
        processor.append('N/A')

    try:
        os_element = driver.find_element(By.XPATH, '/html/body/div[2]/div[3]/div[1]/div/d
        os.append(os_element.text)
    except NoSuchElementException:
        os.append('N/A')

    try:
        display_element = driver.find_element(By.XPATH, '/html/body/div[2]/div[3]/div[1]/
        display.append(display_element.text)
    except NoSuchElementException:
        display.append('N/A')

    try:
        brand_element = driver.find_element(By.XPATH, '//h1[@class="floatleft tabletbloc
        brand.append(brand_element.text)
    except NoSuchElementException:
        brand.append('N/A')
```

```
In [209... for url in laptop_urls:
    driver.get(url)
    driver.execute_script("window.scrollTo(0,1000)")
    time.sleep(2)

    try:
        memory_element = driver.find_element(By.XPATH, '/html/body/div[2]/div[3]/div[1]/d
```

```
memory.append(memory_element.text)
except NoSuchElementException:
    memory.append('N/A')

try:
    graphic_element = driver.find_element(By.XPATH, '/html/body/div[2]/div[3]/div[1]/div[1]')
    graphic.append(graphic_element.text)
except NoSuchElementException:
    graphic.append('N/A')

try:
    price_element = driver.find_element(By.XPATH, '/html/body/div[2]/div[3]/div[1]/div[2]')
    price.append(price_element.text)
except NoSuchElementException:
    price.append('N/A')
```

```
In [212... #Creating dataframe
data = {
    'Memory': memory,
    'Graphic': graphic,
    'Price': price,
    'OS': os,
    'Brand': brand,
    'Display': display,
}
```

```
In [213... df = pd.DataFrame(data)
```

Out[214]:	Memory		Graphic		Price	OS		Brand	Display
0	N/A		N/A		N/A	Windows 10 Home	Acer Nitro 5 AN515-45 NH.QBCSI.002	Ryzen 7-580...	15.6
1	1 TB	NVIDIA GeForce RTX 3060		₹114,990.00		N/A	HP Victus 16-E0362ax 5th Gen Ryzen 7-5800H (2022)		N/A
2	N/A		N/A		N/A	N/A	Lenovo Legion 5 82JU010NIN 5th Gen Ryzen 7-5800H		N/A
3	512 GB	NVIDIA GeForce RTX 3060		₹164,990.00		Windows 11 Home	DELL ALIENWARE M15 R5 GAMING Ryzen R7-5800H (2...		15.6

```
In [215]: print('*****')
          *****
          *****
```

```
In [3]: #4.
driver.get("https://www.flipkart.com/")
```

```
In [6]: search_bar=driver.find_element(By.XPATH,"/html/body/div[1]/div/div[1]/div/div/div/div/di
```

```
In [7]: search_bar.send_keys('Oneplus Nord')
```

```
In [8]: search_button=driver.find_element(By.XPATH,"/html/body/div[1]/div/div[1]/div/div/div/div
search_button.click()
```

```
In [9]: mobile_urls = []
        start = 0
        end = 1
```

```

for page in range(start, end):
    print("Getting URLs from page", page)
    urls = driver.find_elements(By.XPATH, '//a[@class="_1fQZEK"]')
    for url in urls:
        mobile_urls.append(url.get_attribute('href'))
        print("Appended URL:", url.get_attribute('href'))
        time.sleep(2)
    print("Finished processing page", page)

```

Getting URLs from page 0

Appended URL: https://www.flipkart.com/oneplus-nord-ce-2-lite-5g-blue-tide-128-gb/p/itm7acae55b999e6?pid=MOBGMFREBAHZQGY9&lid=LSTMOBGMFREBAHZQGY9EG6XMP&marketplace=FLIPKART&q=Oneplus+Nord&store=tyy%2F4io&spotlightTagId=BestsellerId_tyy%2F4io&srno=s_1_1&otracker=search&otracker1=search&fm=Search&iid=9621c560-c246-4a12-84cd-42b1352a39f7.MOBGMFREBAHZQGY9.SEARCH&ppt=sp&ppn=sp&ssid=powsygdts0000001702999373087&qH=53863d4d978d5074

Appended URL: https://www.flipkart.com/oneplus-nord-ce-2-lite-5g-black-dusk-128-gb/p/itm537fc2aa73747?pid=MOBGHBZHB7YJT5HF&lid=LSTMOBGHBZHB7YJT5HFE2B7VV&marketplace=FLIPKART&q=Oneplus+Nord&store=tyy%2F4io&srno=s_1_2&otracker=search&otracker1=search&fm=organic&iid=9621c560-c246-4a12-84cd-42b1352a39f7.MOBGHBZHB7YJT5HF.SEARCH&ppt=hp&ppn=homepage&ssid=powsygdts0000001702999373087&qH=53863d4d978d5074

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Appended URL: https://www.flipkart.com/oneplus-nord-ce-3-lite-5g-pastel-lime-128-gb/p/itm2cd5a4e659035?pid=MOBGZJ3WM5SGTGVZ&lid=LSTMOBGZJ3WM5SGTGVZIOJLVZ&marketplace=FLIPKART&q=Oneplus+Nord&store=tyy%2F4io&srno=s_1_4&otracker=search&otracker1=search&fm=organic&iid=9621c560-c246-4a12-84cd-42b1352a39f7.MOBGZJ3WM5SGTGVZ.SEARCH&ppt=hp&ppn=homepage&ssid=powsygdts0000001702999373087&qH=53863d4d978d5074

Appended URL: https://www.flipkart.com/oneplus-nord-ce-3-lite-5g-chromatic-gray-128-gb/p/itm2cd5a4e659035?pid=MOBGZJ42KHUZZKMN&lid=LSTMOBGZJ42KHUZZKMN I4CBJY&marketplace=FLIPKART&q=Oneplus+Nord&store=tyy%2F4io&srno=s_1_5&otracker=search&otracker1=search&fm=organic&iid=9621c560-c246-4a12-84cd-42b1352a39f7.MOBGZJ42KHUZZKMN.SEARCH&ppt=hp&ppn=homepage&ssid=powsygdts0000001702999373087&qH=53863d4d978d5074

Appended URL: https://www.flipkart.com/oneplus-nord-ce-3-lite-5g-pastel-lime-128-gb/p/itm5ed24471bde9f?pid=MOBGTXXG782FVENF&lid=LSTMOBGTXXG782FVENFXSC9GO&marketplace=FLIPKART&q=Oneplus+Nord&store=tyy%2F4io&srno=s_1_6&otracker=search&otracker1=search&fm=organic&iid=9621c560-c246-4a12-84cd-42b1352a39f7.MOBGTXXG782FVENF.SEARCH&ppt=hp&ppn=homepage&ssid=powsygdts0000001702999373087&qH=53863d4d978d5074

Appended URL: https://www.flipkart.com/oneplus-nord-ce-3-lite-5g-chromatic-gray-128-gb/p/itm2cd5a4e659035?pid=MOBGQR6JSKZRFKUD&lid=LSTMOBGQR6JSKZRFKUDMQXBT3&marketplace=FLIPKART&q=Oneplus+Nord&store=tyy%2F4io&srno=s_1_7&otracker=search&otracker1=search&fm=organic&iid=9621c560-c246-4a12-84cd-42b1352a39f7.MOBGQR6JSKZRFKUD.SEARCH&ppt=hp&ppn=homepage&ssid=powsygdts0000001702999373087&qH=53863d4d978d5074

Appended URL: https://www.flipkart.com/oneplus-nord-ce-3-lite-5g-pastel-lime-256-gb/p/itm5ed24471bde9f?pid=MOBGPRHYH4K4ZBQQ&lid=LSTMOBGPRHYH4K4ZBQQVK96S7&marketplace=FLIPKART&q=Oneplus+Nord&store=tyy%2F4io&srno=s_1_8&otracker=search&otracker1=search&fm=organic&iid=9621c560-c246-4a12-84cd-42b1352a39f7.MOBGPRHYH4K4ZBQQ.SEARCH&ppt=hp&ppn=homepage&ssid=powsygdts0000001702999373087&qH=53863d4d978d5074

Appended URL: https://www.flipkart.com/oneplus-nord-ce-3-lite-5g-chromatic-gray-256-gb/p/itm5ed24471bde9f?pid=MOBGPRQHDNEHT5WG&lid=LSTMOBGPRQHDNEHT5WG GUHAZX&marketplace=FLIPKART&q=Oneplus+Nord&store=tyy%2F4io&srno=s_1_9&otracker=search&otracker1=search&fm=organic&iid=9621c560-c246-4a12-84cd-42b1352a39f7.MOBGPRQHDNEHT5WG.SEARCH&ppt=hp&ppn=homepage&ssid=powsygdts0000001702999373087&qH=53863d4d978d5074

Appended URL: https://www.flipkart.com/oneplus-nord-ce-3-lite-5g-pastel-lime-256-gb/p/itm5da8fffa73ela?pid=MOBGTXXGSZUKT75G&lid=LSTMOBGTXXGSZUKT75G WGVHB4&marketplace=FLIPKART&q=Oneplus+Nord&store=tyy%2F4io&srno=s_1_10&otracker=search&otracker1=search&fm=organic&iid=9621c560-c246-4a12-84cd-42b1352a39f7.MOBGTXXGSZUKT75G.SEARCH&ppt=hp&ppn=homepage&ssid=powsygdts0000001702999373087&qH=53863d4d978d5074

Appended URL: https://www.flipkart.com/oneplus-nord-ce-3-lite-5g-chromatic-gray-256-gb/p/itm1bd48f48f8797?pid=MOBGTXXGEQCJFHBB&lid=LSTMOBGTXXGEQCJFHBBZIXWES&marketplace=FLIPKART&q=Oneplus+Nord&store=tyy%2F4io&srno=s_1_11&otracker=search&otracker1=search&fm=organic&iid=9621c560-c246-4a12-84cd-42b1352a39f7.MOBGTXXGEQCJFHBB.SEARCH&ppt=hp&ppn=homepage&ssid=powsygdts0000001702999373087&qH=53863d4d978d5074

Appended URL: https://www.flipkart.com/oneplus-nord-ce3-lite-5g-chromatic-gray-256-gb/p/itm2cd5a4e659035?pid=MOBGZJ45PS4AQ7BA&lid=LSTMOBGZJ45PS4AQ7BAYQUWAG&marketplace=FLIPKART&q=Oneplus+Nord&store=tyy%2F4io&srno=s_1_12&otracker=search&otracker1=search&fm=organic&iid=9621c560-c246-4a12-84cd-42b1352a39f7.MOBGZJ45PS4AQ7BA.SEARCH&ppt=hp&ppn=homepage&ssid=powscygdts0000001702999373087&qH=53863d4d978d5074

Appended URL: https://www.flipkart.com/oneplus-nord-ce3-5g-grey-shimmer-256-gb/p/itm95b25bfcca817?pid=MOBGS452TWGEZXMC&lid=LSTMOBGS452TWGEZXMCUATDFR&marketplace=FLIPKART&q=Oneplus+Nord&store=tyy%2F4io&srno=s_1_13&otracker=search&otracker1=search&fm=organic&iid=9621c560-c246-4a12-84cd-42b1352a39f7.MOBGS452TWGEZXMC.SEARCH&ppt=hp&ppn=homepage&ssid=powscygdts0000001702999373087&qH=53863d4d978d5074

Appended URL: https://www.flipkart.com/oneplus-nord-ce3-5g-aqua-surge-128-gb/p/itm95b25bfcca817?pid=MOBGS44DBDZBTUWS&lid=LSTMOBGS44DBDZBTUWSIUEUUI&marketplace=FLIPKART&q=Oneplus+Nord&store=tyy%2F4io&srno=s_1_14&otracker=search&otracker1=search&fm=organic&iid=9621c560-c246-4a12-84cd-42b1352a39f7.MOBGS44DBDZBTUWS.SEARCH&ppt=hp&ppn=homepage&ssid=powscygdts0000001702999373087&qH=53863d4d978d5074

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Appended URL: https://www.flipkart.com/oneplus-nord-2-5g-blue-haze-256-gb/p/itmd16c63dadf5c5?pid=MOBGDBFHW7596ZTU&lid=LSTMOBGDBFHW7596ZTUMZOWTM&marketplace=FLIPKART&q=Oneplus+Nord&store=tyy%2F4io&srno=s_1_24&otracker=search&otracker1=search&fm=organic&iid=9621c560-c246-4a12-84cd-42b1352a39f7.MOBGDBFHW7596ZTU.SEARCH&ppt=hp&ppn=homepage&ssid=powscygdts0000001702999373087&qH=53863d4d978d5074

Finished processing page 0

```
brand = []
Smartphone = []
RAM = []
ROM = []
p_camera = []
Display = []
Battery = []
Price = []
```

```
for url in mobile_urls:
    driver.get(url)
    time.sleep(2)

    try:
        ROM_element = driver.find_element(By.XPATH,"/html/body/div[1]/div/div[3]/div[1]/div[1]")
        ROM.append(ROM_element.text)
    except NoSuchElementException:
        ROM.append('N/A')

    try:
        p_camera_element = driver.find_element(By.XPATH,"/html/body/div[1]/div/div[3]/div[1]/div[2]")
        p_camera.append(p_camera_element.text)
    except NoSuchElementException:
        p_camera.append('N/A')
```

```
for url in mobile_urls:
    driver.get(url)
    time.sleep(2)

try:
    Display_element = driver.find_element(By.XPATH, "/html/body/div[1]/div/div[3]/div")
    Display.append(Display_element.text)
except NoSuchElementException:
    Display.append('N/A')
```

```
try:
    Battery_element = driver.find_element(By.XPATH,"/html/body/div[1]/div/div[3]/div
    Battery.append(Battery_element.text)
except NoSuchElementException:
    Battery.append('N/A')

try:
    price_element = driver.find_element(By.XPATH,"/html/body/div[1]/div/div[3]/div[1
    Price.append(price_element.text)
except NoSuchElementException:
    Price.append('N/A')
```

In [44]:

```
In [63]: data = {
    'Brand': brand,
    'Smartphone': Smartphone,
    'RAM': RAM,
    'ROM': ROM,
    'Primary Camera': p_camera,
    'Display': Display,
    'Battery': Battery,
    'Price': Price
}
```

```
In [64]: df = pd.DataFrame(data)
```

In [65]: df

Out[65]:

	Brand	Smartphone	RAM	ROM	Primary Camera	Display	Battery	Price
0	OnePlus Nord CE 2 Lite 5G (Blue Tide, 128 GB) ...	OnePlus Nord CE 2 Lite 5G (Blue Tide, 128 GB) ...	N/A	N/A	N/A	N/A	N/A	₹17,245
1	OnePlus Nord CE 2 Lite 5G (Black Dusk, 128 GB)...	OnePlus Nord CE 2 Lite 5G (Black Dusk, 128 GB)...	N/A	N/A	N/A	N/A	N/A	₹17,013
2	OnePlus Nord CE 3 Lite 5G (Pastel Lime, 256 GB...	OnePlus Nord CE 3 Lite 5G (Pastel Lime, 256 GB...	N/A	N/A	N/A	N/A	N/A	₹21,425
3	OnePlus Nord CE 3 Lite 5G (Pastel Lime, 128 GB...	OnePlus Nord CE 3 Lite 5G (Pastel Lime, 128 GB...	N/A	N/A	N/A	N/A	N/A	₹19,324
4	OnePlus Nord CE 3 Lite 5G (Chromatic Gray, 128...	OnePlus Nord CE 3 Lite 5G (Chromatic Gray, 128...	N/A	N/A	N/A	N/A	N/A	₹19,384
5	OnePlus Nord CE 3 Lite 5G (Pastel Lime, 128 GB...	OnePlus Nord CE 3 Lite 5G (Pastel Lime, 128 GB...	8 GB RAM 128 GB ROM	8 GB RAM 128 GB ROM	108MP Rear Camera	17.07 cm (6.72 inch) Display	5000 mAh Battery	N/A
6	OnePlus Nord CE 3 Lite 5G (Chromatic Gray, 128...	OnePlus Nord CE 3 Lite 5G (Chromatic Gray, 128...	8 GB RAM 128 GB ROM	8 GB RAM 128 GB ROM	108MP Rear Camera	17.07 cm (6.72 inch) Display	5000 mAh Battery	N/A
7	OnePlus Nord CE 3 Lite 5G (Pastel lime, 256 GB...	OnePlus Nord CE 3 Lite 5G (Pastel lime, 256 GB...	N/A	N/A	N/A	N/A	N/A	N/A
8	OnePlus Nord CE 3	OnePlus Nord CE 3	N/A	N/A	N/A	N/A	N/A	N/A

	Lite 5G (Chromatic Gray, 256...	Lite 5G (Chromatic Gray, 256...						
9	OnePlus Nord CE 3 Lite 5G (Pastel Lime, 256 GB...	OnePlus Nord CE 3 Lite 5G (Pastel Lime, 256 GB...	8 GB RAM 256 GB ROM	8 GB RAM 256 GB ROM	108MP Rear Camera	17.07 cm (6.72 inch) Display	5000 mAh Battery	N/A
10	OnePlus Nord CE 3 Lite 5G (Chromatic Gray, 256...	OnePlus Nord CE 3 Lite 5G (Chromatic Gray, 256...	8 GB RAM 256 GB ROM	8 GB RAM 256 GB ROM	108MP Rear Camera	17.07 cm (6.72 inch) Display	5000 mAh Battery	N/A
11	OnePlus Nord CE 3 Lite 5G (Chromatic Gray, 256...	OnePlus Nord CE 3 Lite 5G (Chromatic Gray, 256...	N/A	N/A	N/A	N/A	N/A	N/A
12	OnePlus Nord CE3 5G (Grey Shimmer, 256 GB) (1...	OnePlus Nord CE3 5G (Grey Shimmer, 256 GB) (1...	N/A	N/A	N/A	N/A	N/A	₹28,360
13	OnePlus Nord CE3 5G (Aqua Surge, 128 GB) (8 G...	OnePlus Nord CE3 5G (Aqua Surge, 128 GB) (8 G...	N/A	N/A	N/A	N/A	N/A	₹24,971
14	OnePlus Nord CE3 5G (Grey Shimmer, 128 GB) (8...	OnePlus Nord CE3 5G (Grey Shimmer, 128 GB) (8...	N/A	N/A	N/A	N/A	N/A	₹25,315
15	OnePlus Nord 3 5G (Misty Green, 128 GB) (8 GB...	OnePlus Nord 3 5G (Misty Green, 128 GB) (8 GB...	N/A	N/A	N/A	N/A	N/A	₹30,535
16	OnePlus Nord CE 3 Lite 5G (Chromatic Gray, 128...	OnePlus Nord CE 3 Lite 5G (Chromatic Gray, 128...	8 GB RAM 128 GB ROM	8 GB RAM 128 GB ROM	108MP Rear Camera	17.07 cm (6.72 inch) Display	5000 mAh Battery	N/A
17	OnePlus Nord CE3 5G (Aqua Surge, 256 GB) (12 ...	OnePlus Nord CE3 5G (Aqua Surge, 256 GB) (12 ...	N/A	N/A	N/A	N/A	N/A	₹28,240
18	OnePlus Nord 3 5G (Tempest Gray, 256 GB) (16 ...	OnePlus Nord 3 5G (Tempest Gray, 256 GB) (16 ...	N/A	N/A	N/A	N/A	N/A	N/A
19	OnePlus Nord 3 5G (Tempest Gray, 128 GB) (8 G...	OnePlus Nord 3 5G (Tempest Gray, 128 GB) (8 G...	N/A	N/A	N/A	N/A	N/A	₹30,890
20	OnePlus Nord 3 5G (Misty Green, 256 GB) (16 G...	OnePlus Nord 3 5G (Misty Green, 256 GB) (16 G...	N/A	N/A	N/A	N/A	N/A	₹35,769
21	OnePlus Nord 2T 5G (Jade Fog, 128 GB) (8 GB RAM)	OnePlus Nord 2T 5G (Jade Fog, 128 GB) (8 GB RAM)	8 GB RAM 128 GB ROM	8 GB RAM 128 GB ROM	50MP Rear Camera	17.02 cm (6.7 inch) Display	4500 mAh Battery	N/A
22	OnePlus Nord 2T 5G (Jade Fog, 256 GB) (12 GB ...	OnePlus Nord 2T 5G (Jade Fog, 256 GB) (12 GB ...	12 GB RAM 256 GB ROM	12 GB RAM 256 GB ROM	50MP Rear Camera	17.02 cm (6.7 inch) Display	4500 mAh Battery	N/A
23	OnePlus Nord 2 5G (Blue Haze, 256 GB) (12 GB ...	OnePlus Nord 2 5G (Blue Haze, 256 GB) (12 GB ...	12 GB RAM 256 GB ROM	12 GB RAM 256 GB ROM	50MP Rear Camera	16.33 cm (6.43 inch) Display	4500 mAh Battery	₹32,890

```
In [66]: df.to_csv('List.csv', index=False)
```

```
In [67]: print('*****
*****')
```

```
In [ ]: #3.
```