```
pip install selenium
```

```
Requirement already satisfied: selenium in c:\users\dell\anaconda3\lib\site-packages (4.17.2)
Requirement already satisfied: urllib3[socks]<3,>=1.26 in c:\users\dell\anaconda3\lib\site-packages (from sel
Requirement already satisfied: trio~=0.17 in c:\users\dell\anaconda3\lib\site-packages (from selenium) (0.24.
Requirement already satisfied: trio-websocket~=0.9 in c:\users\dell\anaconda3\lib\site-packages (from seleniu
Requirement already satisfied: certifi>=2021.10.8 in c:\users\dell\anaconda3\lib\site-packages (from selenium
Requirement already satisfied: typing_extensions>=4.9.0 in c:\users\dell\anaconda3\lib\site-packages (from se
Requirement already satisfied: attrs>=20.1.0 in c:\users\dell\anaconda3\lib\site-packages (from trio~=0.17->s
Requirement already satisfied: sortedcontainers in c:\users\dell\anaconda3\lib\site-packages (from trio~=0.17
Requirement already satisfied: idna in c:\users\dell\anaconda3\lib\site-packages (from trio~=0.17->selenium)
Requirement already satisfied: outcome in c:\users\dell\anaconda3\lib\site-packages (from trio~=0.17->seleniu
Requirement already satisfied: sniffio>=1.3.0 in c:\users\dell\anaconda3\lib\site-packages (from trio~=0.17->
Requirement already satisfied: cffi>=1.14 in c:\users\dell\anaconda3\lib\site-packages (from trio~=0.17->sele
Requirement already satisfied: wsproto>=0.14 in c:\users\dell\anaconda3\lib\site-packages (from trio-websocke
Requirement already satisfied: PySocks!=1.5.7,<2.0,>=1.5.6 in c:\users\dell\anaconda3\lib\site-packages (from
Requirement already satisfied: pycparser in c:\users\dell\anaconda3\lib\site-packages (from cffi>=1.14->trio~
Requirement already satisfied: h11<1,>=0.9.0 in c:\users\dell\anaconda3\lib\site-packages (from wsproto>=0.14
Note: you may need to restart the kernel to use updated packages.
```

```
pip install webdriver_manager
```

```
Requirement already satisfied: webdriver_manager in c:\users\dell\anaconda3\lib\site-packages (4.0.1)
Requirement already satisfied: requests in c:\users\dell\anaconda3\lib\site-packages (from webdriver_manager)
Requirement already satisfied: python-dotenv in c:\users\dell\anaconda3\lib\site-packages (from webdriver_man
Requirement already satisfied: packaging in c:\users\dell\anaconda3\lib\site-packages (from webdriver_manager
Requirement already satisfied: charset-normalizer<4,>=2 in c:\users\dell\anaconda3\lib\site-packages (from re
Requirement already satisfied: idna<4,>=2.5 in c:\users\dell\anaconda3\lib\site-packages (from requests->webd
Requirement already satisfied: urllib3<3,>=1.21.1 in c:\users\dell\anaconda3\lib\site-packages (from requests
Requirement already satisfied: certifi>=2017.4.17 in c:\users\dell\anaconda3\lib\site-packages (from requests
Note: you may need to restart the kernel to use updated packages.
```

```python
import pandas as pd
from selenium import webdriver
from time import sleep
from selenium.webdriver.chrome.options import Options
from webdriver_manager.chrome import ChromeDriverManager
from selenium.webdriver.common.by import By
from selenium.webdriver.common.keys import Keys
```

```python
options=webdriver.ChromeOptions()
#q=input("Enter the query:")
driver=webdriver.Chrome(options=options)
page=driver.get('https://amazon.in')
```

```python
a='Apple iphone'
search_bar = driver.find_element(By.ID,'twotabsearchtextbox')
search_bar.send_keys(a)
search_bar.send_keys(Keys.RETURN)
data=driver.find_elements(By.XPATH,'.//span[@class="a-size-medium a-color-base a-text-normal"]')
names=[i.text for i in data]
pricdata=driver.find_elements(By.XPATH,'.//span[@class="a-price-whole"]')
prices=[i.text for i in pricdata]
dataframe1=pd.DataFrame(columns=['name','price'])
```

```python
names=[i.text for i in data]
pricdata=driver.find_elements(By.XPATH,'.//span[@class="a-price-whole"]')
prices=[i.text for i in pricdata]
dataframe1=pd.DataFrame(columns=['name','price'])


for i in range(0,len(prices)):
    dataframe1.loc[i]=[names[i],prices[i]]
dataframe1
```

	name	price
0	Apple iPhone 13 (128GB) - Midnight	51,790
1	Apple iPhone 14 Pro Max (1 TB) - Gold	1,89,900
2	Apple iPhone 15 (256 GB) - Green	80,990
3	Apple iPhone 13 (128GB) - Blue	51,790
4	Apple iPhone 13 (128GB) - Midnight	51,790
5	Apple iPhone 15 (128 GB) - Pink	71,490
6	Apple iPhone 15 (256 GB) - Yellow	80,990
7	Apple iPhone 14 Plus (256 GB) - (Product) RED	77,999
8	Apple iPhone 13 (256GB) - (Product) RED	61,900
9	Apple iPhone 15 Pro Max (256 GB) - Blue Titanium	1,48,900
10	Apple iPhone 13 (128GB) - Starlight	51,790
11	Apple iPhone 15 (128 GB) - Black	71,490
12	Apple iPhone 15 Plus (128 GB) - Blue	80,990
13	Apple iPhone 15 (128 GB) - Green	71,490
14	Apple iPhone 14 (256 GB) - (Product) RED	65,998
15	Original Smartphone Compatible with Apple iPho...	10,999
16	Apple iPhone 13 (256GB) - Blue	62,999
17	Apple iPhone 15 (256 GB) - Pink	84,900

```python
driver2=webdriver.Chrome(options=options)
page=driver2.get('https://flipKart.com')
search=driver2.find_element(By.XPATH,'.//input[@class="Pke_EE"]')
search.send_keys(a)
search.send_keys(Keys.RETURN)
name=driver2.find_elements(By.XPATH,'.//div[@class="_4rR01T"]')
names1=[i.text for i in name]


price=driver2.find_elements(By.XPATH,'.//div[@class="_30jeq3 _1_WHN1"]')
prices1=[i.text for i in price]
dataframe2=pd.DataFrame(columns=['name','price'])


for i in range(0,len(names1)):
    dataframe2[i]=[names1[i],prices1[i]]
dataframe2
```

	name	price	0	1	2	3	4	5	6	7	...	14	15
0	NaN	NaN	Apple iPhone 15 (Blue, 128 GB)	Apple iPhone 14 (Blue, 128 GB)	Apple iPhone 13 (Starlight, 128 GB)	Apple iPhone 14 (Starlight, 128 GB)	Apple iPhone 14 (Midnight, 128 GB)	Apple iPhone 13 (Green, 128 GB)	Apple iPhone 14 (Purple, 128 GB)	Apple iPhone 13 (Pink, 128 GB)	...	Apple iPhone 14 (Blue, 256 GB)	Apple iPhone 12 (White, 64 GB)
1	NaN	NaN	₹72,999	₹58,999	₹52,999	₹58,999	₹58,999	₹52,999	₹58,999	₹52,999	...	₹68,999	₹44,999

2 rows × 26 columns

```python
product1,product2=[],[]
for i in range(11):
    count=0
    for char in a.split(' '):
        if char.lower() in names1[i].lower():
            count=count+1
    if count>=len(a.split(' ')):
        product2.append((names1[i],prices1[i]))
for i in range(11):
    count=0
    for char in a.split(' '):
        if char.lower() in names[i].lower():
            count=count+1
    if count>=len(a.split(' ')):
        product1.append((names[i],prices[i]))
for pro in product2:
    print(pro)

    ('Apple iPhone 15 (Blue, 128 GB)', '₹72,999')
    ('Apple iPhone 14 (Blue, 128 GB)', '₹58,999')
    ('Apple iPhone 13 (Starlight, 128 GB)', '₹52,999')
    ('Apple iPhone 14 (Starlight, 128 GB)', '₹58,999')
    ('Apple iPhone 14 (Midnight, 128 GB)', '₹58,999')
    ('Apple iPhone 13 (Green, 128 GB)', '₹52,999')
    ('Apple iPhone 14 (Purple, 128 GB)', '₹58,999')
    ('Apple iPhone 13 (Pink, 128 GB)', '₹52,999')
    ('Apple iPhone 13 (Midnight, 128 GB)', '₹52,999')
    ('Apple iPhone 15 (Green, 128 GB)', '₹72,999')
    ('Apple iPhone 13 (Blue, 128 GB)', '₹52,999')


if int(product1[0][1][1:].replace(',',''))>int(product2[0][1][1:].replace(',','')):
    print("flipKart has best prices")
else:
    print('amazon has best prices')

    amazon has best prices
```