Q1: Write a python program to scrape data for “Data Analyst” Job position in “Bangalore” location. You have to scrape the job-title, job-location, company_name, experience_required. You have to scrape first 10 jobs data. This task will be done in following steps:

1. First get the webpage https://www.naukri.com/
2. Enter “Data Analyst” in “Skill, Designations, Companies” field and enter “Bangalore” in “enter the location” field.
3. Then click the searchbutton.
4. Then scrape the data for the first 10 jobs results youget.
5. Finally create a dataframe of the scraped data

In [ ]:

In [119…
```
import selenium
import pandas as pd
from selenium import webdriver
import warnings
warnings.filterwarnings('ignore')
from selenium.webdriver.common.by import By
import time
```

In [17]:
```
driver=webdriver.Chrome(r"chromedriver.exe")
```

In [18]:
```
driver.get("https://www.naukri.com/")
```

In [19]:
```
designation=driver.find_element(By.CLASS_NAME,"suggestor-input")
designation.send_keys("Data Analyst")
location=driver.find_element(By.XPATH,"/html/body/div[1]/div[7]/div/div/div[5]/div/div/d
location.send_keys('Banglore')
search=driver.find_element(By.CLASS_NAME,"qsbSubmit")
search.click()
```

In [20]:
```
job_title=[]
job_location=[]
company_name=[]
experience_required=[]
```

In [30]:
```
title_tags=driver.find_elements(By.XPATH,'//a[@class="title ellipsis"]')
for i in title_tags[0:10]:
    title=i.text
    job_title.append(title)

location_tags=driver.find_elements(By.XPATH,'//span[@class="ellipsis fleft locWdth"]')
for i in location_tags[0:10]:
    location=i.text
    job_location.append(location)

company_tags=driver.find_elements(By.XPATH,'//a[@class="subTitle ellipsis fleft"]')
for i in company_tags[0:10]:
    company=i.text
    company_name.append(company)

experience_tags=driver.find_elements(By.XPATH,'//span[@class="ellipsis fleft expwdth"]')
for i in experience_tags[0:10]:
    experience=i.text
    experience_required.append(experience)

print(len(job_title),len(job_location), len(company_name), len(experience_required) )
```

```
10 10 10 10
```

In [31]:
```
df=pd.DataFrame({'Title':job_title,"Location":job_location,'Company Name':company_name,'
df
```

Out[31]:

	Title	Location	Company Name	Experience
0	Data Analyst	Chennai	Danfoss	Danfoss
1	Data Analyst	Bangalore/Bengaluru	Target	Target
2	Data Analyst	Mumbai	Dream11	Dream11
3	Data Analyst	Mumbai	Everyday Health India	Everyday Health India
4	Data Analyst	Mumbai	Schneider Electric	Schneider Electric
5	Data Analyst	Mumbai, Maharashtra	Dainik Bhaskar Group	Dainik Bhaskar Group
6	Tech Data Analyst	Hybrid - Gurgaon/ Gurugram, Haryana, Bangalore...	Wipro	Wipro
7	Data Analyst	Ahmedabad(Vatva)	Freelancer Komal Mittal	Freelancer Komal Mittal
8	Data Analyst	Mumbai (All Areas)	Goqii	Goqii
9	Data Analyst - Python/Tableau	Mumbai, Pune	propmoservices	propmoservices

Q2:Write a python program to scrape data for “Data Scientist” Job position in “Bangalore” location. You have to scrape the job-title, job-location, company_name. You have to scrape first 10 jobs data. This task will be done in following steps:

1. First get the webpage https://www.naukri.com/
2. Enter “Data Scientist” in “Skill, Designations, Companies” field and enter “Bangalore” in “enter the location” field.
3. Then click the searchbutton.
4. Then scrape the data for the first 10 jobs results youget.
5. Finally create a dataframe of the scraped data

In [33]:
```
import selenium
import pandas as pd
from selenium import webdriver
import warnings
warnings.filterwarnings('ignore')
from selenium.webdriver.common.by import By
import time
```

In [52]:
```
driver=webdriver.Chrome(r"chromedriver.exe")
```

In [53]:
```
driver.get("https://www.naukri.com/")
```

In [36]:
```
designation=driver.find_element(By.CLASS_NAME,"suggestor-input")
designation.send_keys("Data Analyst")
location=driver.find_element(By.XPATH,"/html/body/div[1]/div[7]/div/div/div[5]/div/div/d
location.send_keys('Banglore')
search=driver.find_element(By.CLASS_NAME,"qsbSubmit")
search.click()
```

In [37]:
```
job_title=[]
job_location=[]
company_name=[]
```

In [38]:
```
title_tags=driver.find_elements(By.XPATH,'//a[@class="title ellipsis"]')
for i in title_tags[0:10]:
    title=i.text
    job_title.append(title)

location_tags=driver.find_elements(By.XPATH,'//span[@class="ellipsis fleft locWdth"]')
for i in location_tags[0:10]:
    location=i.text
    job_location.append(location)

company_tags=driver.find_elements(By.XPATH,'//a[@class="subTitle ellipsis fleft"]')
for i in company_tags[0:10]:
    company=i.text
    company_name.append(company)


print(len(job_title),len(job_location), len(company_name))
```

```
10 10 10
```

In [40]:
```
df=pd.DataFrame({'Title':job_title,"Location":job_location,'Company Name':company_name})
df
```

Out[40]:

	Title	Location	Company Name
0	Data Analyst	Bangalore/Bengaluru	Target
1	Tech Data Analyst	Hybrid - Gurgaon/ Gurugram, Haryana, Bangalore...	Wipro
2	Data Analyst	Bangalore/ Bengaluru, Karnataka	Artech
3	Data Analyst	Bangalore/Bengaluru	Brunel
4	Celonis & Salesforce Data Analyst	Chennai, Bangalore/Bengaluru	Hitachi Energy
5	Celonis & Salesforce Data Analyst	Bangalore/Bengaluru	Hitachi Ltd.
6	Data Analyst	Hybrid - Bangalore/Bengaluru	HARMAN
7	Data Analyst	Hybrid - Bangalore/Bengaluru, Delhi / NCR	Aon
8	Data Analyst	Hybrid - Bangalore/Bengaluru, Delhi / NCR	Aon
9	Data Analyst	Kolkata, Hyderabad/Secunderabad, Pune, Chennai...	Tata Consultancy Services (TCS)

Q3: In this question you have to scrape data using the filters available on the webpage as shown below: The task will be done as shown in the below steps:

1. first get thewebpage https://www.naukri.com/
2. Enter “Data Scientist” in “Skill, Designations, and Companies” field.
3. Then click the searchbutton.
4. Then apply the location filter and salary filter by checking the respectiveboxes
5. Then scrape the data for the first 10 jobs results youget.
6. Finally create a dataframe of the scrapeddata.

In [120…
```
from selenium import webdriver
import time
import pandas as pd
```

In [121…
```
driver=webdriver.Chrome(r"chromedriver.exe")
driver.get("https://www.naukri.com/")
```

In [122…
```
designation=driver.find_element(By.CLASS_NAME,"suggestor-input")
designation.send_keys("Data Analyst")
```

In [123…
```
search=driver.find_element(By.CLASS_NAME,"qsbSubmit")
search.click()
```

In [127…
```
title_t1=driver.find_elements(By.XPATH,"//a[@class='title ellipsis']")
job_titles=[]
for i in title_t1:
    if i.text is None:
        job_titles.append('Not')
    else:
        job_titles.append(i.text)
job_titles[:10]



company_t1=driver.find_elements(By.XPATH,"//a[@class='subTitle ellipsis fleft']")
companies_names=[]

for i in company_t1:
    companies_names.append(i.text)
companies_names[:10]


experience_t1=driver.find_elements(By.XPATH,"//span[@class='ellipsis fleft expwdth']")
experience_list=[]
for i in experience_t1:
    experience_list.append(i.text)
experience_list[:10]

locations_t1=driver.find_elements(By.XPATH,"//span[@class='ellipsis fleft locWdth']")
locations_list=[]
for i in locations_t1:
    locations_list.append(i.text)
locations_list[:10]


print(len(job_titles[:10])),print(len(companies_names[:10])),print(len(experience_list[:
```

```
10
10
10
10
```
Out[127]:
```
(None, None, None, None)
```

In [128…
```
df=pd.DataFrame({'Title':job_titles[:10],"Location":locations_list[:10],'Company Name':c
df
```

Out[128]:

	Title	Location	Company Name	Experience
0	Data Analyst	Chennai	Danfoss	0-5 Yrs
1	Data Analyst	Bangalore/Bengaluru	Target	2-4 Yrs
2	Data Analyst	Mumbai	Dream11	0-3 Yrs
3	Data Analyst	Mumbai	Everyday Health India	0-3 Yrs
4	Data Analyst	Trivandrum/ Thiruvananthapuram, Kerala	Waybeo Technology Solutions Pvt Ltd.	1-3 Yrs

5	Data Analyst	Mumbai	Schneider Electric	7-15 Yrs
6	Data Analyst	Mumbai, Maharashtra	Dainik Bhaskar Group	7-10 Yrs
7	Tech Data Analyst	Hybrid - Gurgaon/ Gurugram, Haryana, Bangalore...	Wipro	3-6 Yrs
8	Data Analyst	Ahmedabad(Vatva)	Freelancer Komal Mittal	2-5 Yrs
9	Data Analyst	Mumbai (All Areas)	Goqii	2-5 Yrs

Q4: Scrape data of first 100 sunglasses listings on flipkart.com. You have to scrape four attributes:

1. Brand
2. ProductDescription
3. Price

In [98]:
```
import selenium
import pandas as pd
from selenium import webdriver
import warnings
warnings.filterwarnings('ignore')
from selenium.webdriver.common.by import By
import time
```

In [99]:
```
driver=webdriver.Chrome(r"chromedriver.exe")
```

In [100…
```
driver.get("https://www.flipkart.com/")
```

In [102…
```
search=driver.find_element(By.CLASS_NAME,"_3704LK")
search.send_keys("sunglasses")
look=driver.find_element(By.CLASS_NAME,"L0Z3Pu")
look.click()
```

In [103…
```
B_name=[]
Price=[]
P_desc=[]
```

In [116…
```
for i in range(3):
    b_name=driver.find_elements(By.XPATH,'//div[@class="_2WkVRV"]')
    p_desc=driver.find_elements(By.XPATH,'//a[@class="IRpwTa"]')
    price =driver.find_elements(By.XPATH,'//div[@class="_30jeq3"]')

    for j  in b_name:
        B_name.append(j.text)
    B_name[:100]



    for k in p_desc:
        P_desc.append(k.text)
    P_desc[:100]


    for l in price:
        Price.append(l.text)
    Price[:100]
```

In [117…
```
print(len(B_name[:100]),len(Price[:100]), len(P_desc[:100]))
```

```
100 100 100
```

In [118…
```
df=pd.DataFrame({'Brand':B_name[:100],'Price':Price[:100],"Product Description":P_desc[:
df
```

Out[118]:

	Brand	Price	Product Description
0	Fastrack	₹499₹89944% off	UV Protection Rectangular Sunglasses (Free Size)
1	Elligator	₹179₹99982% off	UV Protection, Mirrored Wayfarer Sunglasses (54)
2	PIRASO	₹239₹1,59985% off	UV Protection Clubmaster Sunglasses (54)
3	OAKLEY	₹9,119₹14,49037% off	Rectangular Sunglass
4	SRPM	₹216₹1,29983% off	UV Protection Wayfarer Sunglasses (50)
...	...	...	...
95	Dervin	₹179₹1,29986% off	UV Protection Shield Sunglasses (Free Size)
96	Fastrack	₹109₹1,29991% off	by Lenskart Polarized, UV Protection Round Sun...
97	kingsunglasses	₹688₹2,50072% off	UV Protection Wayfarer Sunglasses (Free Size)
98	Fastrack	₹149₹99985% off	UV Protection Wayfarer Sunglasses (Free Size)
99	VINCENT CHASE	₹268₹1,59983% off	UV Protection Wayfarer Sunglasses (56)

100 rows × 3 columns

Q5: Scrape 100 reviews data from flipkart.com for iphone11 phone. You have to go the link: https://www.flipkart.com/apple-iphone-11-black-64-gb/product□reviews/itm4e5041ba101fd?pid=MOBFWQ6BXGJCEYNY&lid=LSTMOBFWQ6BXGJCEYNYZXSHRJ&market place=FLIPKARt

1. Rating
2. Review summary
3. Full review
4. You have to scrape this data for first 100reviews.

In [136…
```
import selenium
import pandas as pd
from selenium import webdriver
import warnings
warnings.filterwarnings('ignore')
from selenium.webdriver.common.by import By
import time
```

In [154…
```
driver=webdriver.Chrome(r"chromedriver.exe")
```

In [155…
```
driver.get("https://www.flipkart.com/apple-iphone-11-black-64-gb/product-reviews/itm4e50
```

In [156…
```
ratings=[]
review_summary=[]
full_review=[]
```

In [165…
```
for i in range(10):
    rating_tag=driver.find_elements(By.XPATH,'//div[@class="_3LWZlK _1BLPMq"]')
    review_tag=driver.find_elements(By.XPATH,'//p[@class="_2-N8zT"]')
    full_tag =driver.find_elements(By.XPATH,'//div[@class="t-ZTKy"]')

    for rating  in rating_tag:
        ratings.append(rating.text)
    ratings[:100]
```

```
    for review in review_tag:
        review_summary.append(review.text)
    review_summary[:100]


    for full in full_tag:
        full_review.append(full.text)
    full_review[:100]
```

In [166…
```
print(len(ratings[:100]),len(review_summary[:100]), len(full_review[:100]))
```

```
100 100 100
```

In [167…
```
df=pd.DataFrame({'Rating':ratings[:100],'Review Summary':review_summary[:100],"Full Revi
df
```

Out[167]:

	Rating	Review Summary	Full Review
0	5	Simply awesome	Really satisfied with the Product I received.....
1	5	Perfect product!	Amazing phone with great cameras and better ba...
2	5	Best in the market!	Great iPhone very snappy experience as apple k...
3	4	Value-for-money	I'm Really happy with the product\nDelivery wa...
4	5	Highly recommended	It's my first time to use iOS phone and I am l...
...	...	...	...
95	5	Worth every penny	Previously I was using one plus 3t it was a gr...
96	4	Pretty good	I was using Iphone 6s and also Oneplus 6t. Bot...
97	5	Perfect product!	Value for money\n5 star rating\nExcellent came...
98	5	Highly recommended	What a camera .....just awesome ..you can feel...
99	5	Great product	Amazing Powerful and Durable Gadget.\n\nI'm am...

100 rows × 3 columns

Q6: Scrape data forfirst 100 sneakers you find when you visit flipkart.com and search for "sneakers" in the search field. You have to scrape 3 attributes of each sneaker:

1. Brand
2. ProductDescription
3. Price

In [168…
```
import selenium
import pandas as pd
from selenium import webdriver
import warnings
warnings.filterwarnings('ignore')
from selenium.webdriver.common.by import By
import time
```

In [169…
```
driver=webdriver.Chrome(r"chromedriver.exe")
```

In [170…
```
driver.get("https://www.flipkart.com/")
```

In [172…
```
search=driver.find_element(By.CLASS_NAME,"_3704LK")
search.send_keys("sneaker")
look=driver.find_element(By.CLASS_NAME,"L0Z3Pu")
look.click()
```

In [173…
```
B_name=[]
Price=[]
P_desc=[]
```

In [174…
```
for i in range(3):
    b_name=driver.find_elements(By.XPATH,'//div[@class="_2WkVRV"]')
    p_desc=driver.find_elements(By.XPATH,'//a[@class="IRpwTa"]')
    price =driver.find_elements(By.XPATH,'//div[@class="_30jeq3"]')

    for j  in b_name:
        B_name.append(j.text)
    B_name[:100]



    for k in p_desc:
        P_desc.append(k.text)
    P_desc[:100]


    for l in price:
        Price.append(l.text)
    Price[:100]
```

In [175…
```
print(len(B_name[:100]),len(Price[:100]), len(P_desc[:100]))
```

```
100 100 100
```

In [176…
```
df=pd.DataFrame({'Brand':B_name[:100],'Price':Price[:100],"Product Description":P_desc[:
df
```

Out[176]:

	Brand	Price	Product Description
0	Labbin	₹349	Sneakers For Men
1	BRUTON	₹229	Modern Trendy Shoes Sneakers For Men
2	aadi	₹249	Lightweight,Comfort,Summer,Trendy,Walking,Outd...
3	World Wear Footwear	₹279	Latest Exclusive Affordable Collection of Tren...
4	aadi	₹299	Lightweight,Comfort,Summer,Trendy,Walking,Outd...
...	...	...	...
95	PUMA	₹1,149	Sneakers For Men
96	WHITE WALKERS	₹479	2 Combo Sneaker Shoes Sneakers For Men
97	BRUTON	₹399	2 Combo Sneaker Shoes Sneakers For Men
98	K- FOOTLANCE	₹299	Combo Pack Of 2 Casual Shoes Sneakers For Men ...
99	K- FOOTLANCE	₹299	Combo Pack Of 4 Casual Shoes Loafer Shoes Snea...

100 rows × 3 columns

Q7: Go to webpage https://www.amazon.in/ Enter “Laptop” in the search field and then click the search icon.

Then set CPU Type filter to “Intel Core i7” as shown in the below image: After setting the filters scrape first 10 laptops data. You have to scrape 3 attributes for each laptop:

1. Title
2. Ratings
3. Price

In [186…
```
import selenium
import pandas as pd
from selenium import webdriver
import warnings
warnings.filterwarnings('ignore')
from selenium.webdriver.common.by import By
import time
```

In [187…
```
driver=webdriver.Chrome(r"chromedriver.exe")
```

In [188…
```
driver.get("https://www.amazon.in/")
```

In [192…
```
search=driver.find_element(By.ID,"twotabsearchtextbox")
search.send_keys("Laptop")
look=driver.find_element(By.CLASS_NAME,"nav-right")
look.click()
```

In [200…
```
title=[]
rating=[]
price=[]
```

In [216…
```
for i in range(5):
    title_tag=driver.find_elements(By.XPATH,'//h2[@class="a-size-mini a-spacing-none a-c
    rating_tag=driver.find_elements(By.XPATH,'//i[@class="a-icon a-icon-star-small a-sta
    price_tag=driver.find_elements(By.XPATH,'//span[@class="a-price-whole"]')

    for j  in title_tag:
        title.append(j.text)
    title[:100]



    for k in rating_tag:
        rating.append(k.text)
    rating[:100]


    for l in price_tag:
        price.append(l.text)
    price[:100]
```

In [217…
```
print(len(title[:100]),len(rating[:100]), len(price[:100]))
```

```
100 100 100
```

In [219…
```
df=pd.DataFrame({'Title':title[:100],'Rating':rating[:100],"Price":price[:100]})
df
```

Out[219]:

	Title	Rating	Price
0	Lenovo IdeaPad Slim 3 Intel Core i5 11th Gen 1...	373	49,990
1	Lenovo IdeaPad Slim 3 Intel Core i5 12th Gen 1...	Get it by Wednesday, 7 June\nFREE Delivery by ...	58,499

2	Lenovo IdeaPad Slim 3 Intel Core i3-1115G4 11t...	209	33,990
3	Lenovo V15 Intel Celeron N4500 15.6" (39.62 cm...	Get it by Wednesday, 7 June\nFREE Delivery by ...	23,399
4	HP 15s, Intel Core i3-1115G4, 15.6 inch(39.6cm...	216	38,990
...	...	...	...
95	(Renewed) DELL Latitude 5490 Core i5 7th Gen L...	Get it by Friday, 9 June\nFREE Delivery by Amazon	37,990
96	Lenovo IdeaPad Slim 3 Intel Core i3 11th Gen 1...	22	70,990
97	HP Laptop 15s, 12th Gen Intel Core i7-1255U, 1...	Get it by Wednesday, 7 June\nFREE Delivery by ...	2,85,490
98	Apple 2023 MacBook Pro Laptop M2 Max chip with...	Currently unavailable.	2,69,900
99	Apple 2023 MacBook Pro Laptop M2 Pro chip with...	Get it by Thursday, 8 June\nFREE Delivery by A...	23,690

100 rows × 3 columns

Q8: Write a python program to scrape data for Top 1000 Quotes of All Time. The above task will be done in following steps:

1. First get the webpagehttps://www.azquotes.com/
2. Click on TopQuotes
3. Than scrap a) Quote b) Author c) Type Of Quotes

In [220…
```
import selenium
import pandas as pd
from selenium import webdriver
import warnings
warnings.filterwarnings('ignore')
from selenium.webdriver.common.by import By
import time
```

In [221…
```
driver=webdriver.Chrome(r"chromedriver.exe")
```

In [222…
```
driver.get("https://www.azquotes.com/")
```

In [231…
```
link_element = driver.find_element(By.XPATH,'//a[@href="/top_quotes.html"]')
link_element.click()
```

In [232…
```
quote=[]
author=[]
types_quotes=[]
```

In [235…
```
for i in range(5):
    quote_tag=driver.find_elements(By.XPATH,'//a[@class="title"]')
    author_tag=driver.find_elements(By.XPATH,'//div[@class="author"]')
    types_quotes_tag=driver.find_elements(By.XPATH,'//div[@class="tags"]')

    for j  in quote_tag:
        quote.append(j.text)
    quote[:1000]



    for k in author_tag:
        author.append(k.text)
    author[:1000]
```

```
    for l in types_quotes_tag:
        types_quotes.append(l.text)
    types_quotes[:1000]
```

In [237…
```
print(len(quote[:1000]),len(author[:1000]), len(types_quotes[:1000]))
```

```
1000 1000 1000
```

In [239…
```
df=pd.DataFrame({'Quote':quote[:1000],'Author':author[:1000],"Types of Quote":types_quot
df
```

Out[239]:

	Quote	Author	Types of Quote
0	The essence of strategy is choosing what not t...	Michael Porter	Essence, Deep Thought, Transcendentalism
1	One cannot and must not try to erase the past ...	Golda Meir	Inspiration, Past, Trying
2	Patriotism means to stand by the country. It d...	Theodore Roosevelt	Country, Peace, War
3	Death is something inevitable. When a man has ...	Nelson Mandela	Inspirational, Motivational, Death
4	You have to love a nation that celebrates its ...	Erma Bombeck	4th Of July, Food, Patriotic
...	...	...	...
995	When the going gets weird, the weird turn pro.	Hunter S. Thompson	Music, Sports, Hunting
996	When a train goes through a tunnel and it gets...	Corrie Ten Boom	Trust, Encouraging, Uplifting
997	If you think you are too small to make a diffe...	Dalai Lama	Inspirational, Funny, Change
998	God doesn't require us to succeed, he only req...	Mother Teresa	Success, God, Mother
999	Change your thoughts and you change your world.	Norman Vincent Peale	Inspirational, Motivational, Change

1000 rows × 3 columns

Q9: Write a python program to display list of respected former Prime Ministers of India(i.e. Name, Born-Dead, Term of office, Remarks) from https://www.jagranjosh.com/. This task will be done in following steps:

1. First get the webpagehttps://www.jagranjosh.com/
2. Then You have to click on the GK option
3. Then click on the List of all Prime Ministers of India
4. Then scrap the mentioned data and make theDataFrame

In [240…
```
import selenium
import pandas as pd
from selenium import webdriver
import warnings
warnings.filterwarnings('ignore')
from selenium.webdriver.common.by import By
import time
```

In [250…
```
driver=webdriver.Chrome(r"chromedriver.exe")
```

In [251…
```
driver.get("https://www.jagranjosh.com/")
```

In [253…
```
gk_option = driver.find_element(By.XPATH, "//a[contains(text(), 'GK')]")
gk_option.click()
```

In [254…
```
prime_ministers_link = driver.find_element(By.XPATH, "//a[contains(text(), 'List of all
```

```
prime_ministers_link.click()
```

In [255…
```
prime_ministers_data = []
```

In [265…
```
rows = driver.find_elements(By.XPATH, "//div[@class='table-box']//tr")
for row in rows[1:]:
        cells = row.find_elements(By.XPATH, "./td")
        if len(cells) == 4:
            name = cells[0].text
            born_dead = cells[1].text
            term_of_office = cells[2].text
            remarks = cells[3].text

            prime_ministers_data.append({
                "Name": name,
                "Born-Dead": born_dead,
                "Term of Office": term_of_office,
                "Remarks": remarks})
```

In [266…
```
df = pd.DataFrame(prime_ministers_data)
df
```

Out[266]: —

Q10: Write a python program to display list of 50 Most expensive cars in the world (i.e. Car name and Price) from https://www.motor1.com/ This task will be done in following steps:

1. First get the webpagehttps://www.motor1.com/
2. Then You have to type in the search bar '50 most expensive cars'
3. Then click on 50 most expensive carsin the world..
4. Then scrap the mentioned data and make the dataframe

In [267…
```
import selenium
import pandas as pd
from selenium import webdriver
import warnings
warnings.filterwarnings('ignore')
from selenium.webdriver.common.by import By
import time
```

In [268…
```
driver=webdriver.Chrome(r"chromedriver.exe")
```

In [269…
```
driver.get("https://www.motor1.com/")
```

In [275…
```
search_bar = driver.find_element(By.XPATH,"//input[@class='m1-search-panel-input m1-sear
search_bar.send_keys("50 most expensive cars")
```

In [279…
```
search_button = driver.find_element(By.XPATH,"//button[@class='m1-search-panel-button m1
search_button.click()
```

In [285…
```
expensive_cars_data = []
```

In [286…
```
car_elements = driver.find_elements(By.XPATH, "//div[@class='card-title']//a")
price_elements = driver.find_elements(By.XPATH, "//span[@class='price']")
```

In [287…
```
 for car_element, price_element in zip(car_elements, price_elements):
        car_name = car_element.text
        price = price_element.text
```

```
        expensive_cars_data.append({
            "Car Name": car_name,
            "Price": price})
```

In [288…

```
df = pd.DataFrame(expensive_cars_data)
df
```

Out[288]: