

```
In [3]: !pip install bs4
```

```
Requirement already satisfied: bs4 in c:\users\ebele okonkwo\anaconda3\lib\site-packages (0.0.1)
Requirement already satisfied: beautifulsoup4 in c:\users\ebele okonkwo\anaconda3\lib\site-packages (from bs4) (4.12.2)
Requirement already satisfied: soupsieve>1.2 in c:\users\ebele okonkwo\anaconda3\lib\site-packages (from beautifulsoup4->bs4) (2.4)
```

```
In [64]: import requests
from bs4 import BeautifulSoup
import warnings
warnings.filterwarnings('ignore')
import pandas as pd
```

```
In [34]: url = "https://www.shine.com"
response = requests.get(url)
```

```
In [51]: job_titles = "Data Analyst"
location = "Bangalore"
```

```
In [36]: search_url = f"{url}/job-search/{job_titles}-jobs-in-{location}"
```

```
In [37]: response = requests.get(search_url)
```

```
In [38]: soup = BeautifulSoup(response.content, "html.parser")
```

```
In [39]: job_results = soup.find_all("li", class_="search_listing")
```

```
In [52]: data = []
for job in job_results[:10]:
    title = job.find_all("h2").text.strip()
    company = job.find_all("span", class_="company_name").text.strip()
    location = job.find_all("span", class_="location").text.strip()
    experience = job.find_all("span", class_="exp").text.strip()
```

```
In [41]: data.append({"Job Title": 'Data Analyst', "Company Name": 'Shine', "Job Location": 'Bangalore', "Experience Required": 'Yea
```

```
In [42]: df = pd.DataFrame(data)
```

```
In [43]: print(df)
```

```
      Job Title Company Name Job Location Experience Required
0  Data Analyst      Shine      Bangalore              Years
```

```
In [1]: !pip install selenium
```

```
Requirement already satisfied: selenium in c:\users\ebele okonkwo\anaconda3\lib\site-packages (4.16.0)
Requirement already satisfied: urllib3[socks]<3,>=1.26 in c:\users\ebele okonkwo\anaconda3\lib\site-packages (from sele
nium) (1.26.16)
Requirement already satisfied: trio~=0.17 in c:\users\ebele okonkwo\anaconda3\lib\site-packages (from selenium) (0.24.
0)
Requirement already satisfied: trio-websocket~=0.9 in c:\users\ebele okonkwo\anaconda3\lib\site-packages (from selenium
) (0.11.1)
Requirement already satisfied: certifi>=2021.10.8 in c:\users\ebele okonkwo\anaconda3\lib\site-packages (from selenium)
(2023.11.17)
Requirement already satisfied: attrs>=20.1.0 in c:\users\ebele okonkwo\anaconda3\lib\site-packages (from trio~=0.17->se
lenium) (22.1.0)
Requirement already satisfied: sortedcontainers in c:\users\ebele okonkwo\anaconda3\lib\site-packages (from trio~=0.17-
>selenium) (2.4.0)
Requirement already satisfied: idna in c:\users\ebele okonkwo\anaconda3\lib\site-packages (from trio~=0.17->selenium)
(3.4)
Requirement already satisfied: outcome in c:\users\ebele okonkwo\anaconda3\lib\site-packages (from trio~=0.17->seleni
um) (1.3.0.post0)
Requirement already satisfied: sniffio>=1.3.0 in c:\users\ebele okonkwo\anaconda3\lib\site-packages (from trio~=0.17->s
elenium) (1.3.0)
Requirement already satisfied: cffi>=1.14 in c:\users\ebele okonkwo\anaconda3\lib\site-packages (from trio~=0.17->selen
ium) (1.15.1)
Requirement already satisfied: wsproto>=0.14 in c:\users\ebele okonkwo\anaconda3\lib\site-packages (from trio-websocket
~=0.9->selenium) (1.2.0)
Requirement already satisfied: PySocks!=1.5.7,<2.0,>=1.5.6 in c:\users\ebele okonkwo\anaconda3\lib\site-packages (from
urllib3[socks]<3,>=1.26->selenium) (1.7.1)
Requirement already satisfied: pycparser in c:\users\ebele okonkwo\anaconda3\lib\site-packages (from cffi>=1.14->trio~
=0.17->selenium) (2.21)
Requirement already satisfied: h11<1,>=0.9.0 in c:\users\ebele okonkwo\anaconda3\lib\site-packages (from wsproto>=0.14-
>trio-websocket~=0.9->selenium) (0.12.0)
```



```
In [49]: search=driver.find_element(By.XPATH,"/html/body/div[1]/div[1]/div[3]/div/div[2]")
search.click
```

```
Out[49]: <bound method WebElement.click of <selenium.webdriver.remote.webelement.WebElement (session="1f0a84c34555f6252aa10da3e6
2b44df", element="ACC023EFFD71A5D1B639903CFFCF22E3_element_853")>>
```

```
In [50]: job_title=[]
job_location=[]
company_name=[]
experience_required=[]
```

```
In [52]: title_tags=driver.find_elements(By.XPATH,"/html/body/div[1]/div[1]/div[4]/div/div[2]/div[1]/div/div/div[9]/div[1]")
for i in title_tags:
    title=i.text
    job_title.append(title)
```

```
In [57]: location_tags=driver.find_elements(By.CLASS_NAME,"more_info ml-10")
for i in location_tags:
    location=i.text
    job_location.append(location)
```

```
In [58]: print(len(job_title),len(job_location))
```

```
1 0
```

```
In [62]: import pandas as pd
```

```
In [65]: df=pd.DataFrame({'Title':job_title,'Location':job_location,})
```

```
-----
ValueError                                Traceback (most recent call last)
Cell In[65], line 1
----> 1 df=pd.DataFrame({'Title':job_title,'Location':job_location,})

File ~\anaconda3\Lib\site-packages\pandas\core\frame.py:664, in DataFrame.__init__(self, data, index, columns, dtype, copy)
    658     mgr = self._init_mgr(
    659         data, axes={"index": index, "columns": columns}, dtype=dtype, copy=copy
    660     )
    662 elif isinstance(data, dict):
    663     # GH#38939 de facto copy defaults to False only in non-dict cases
--> 664     mgr = dict_to_mgr(data, index, columns, dtype=dtype, copy=copy, typ=manager)
    665 elif isinstance(data, ma.MaskedArray):
    666     import numpy.ma.mrecords as mrecords

File ~\anaconda3\Lib\site-packages\pandas\core\internals\construction.py:493, in dict_to_mgr(data, index, columns, dtype, typ, copy)
    489     else:
    490         # dtype check to exclude e.g. range objects, scalars
    491         arrays = [x.copy() if hasattr(x, "dtype") else x for x in arrays]
--> 493 return arrays_to_mgr(arrays, columns, index, dtype=dtype, typ=typ, consolidate=copy)

File ~\anaconda3\Lib\site-packages\pandas\core\internals\construction.py:118, in arrays_to_mgr(arrays, columns, index, dtype, verify_integrity, typ, consolidate)
    115 if verify_integrity:
    116     # figure out the index, if necessary
    117     if index is None:
--> 118         index = _extract_index(arrays)
    119     else:
    120         index = ensure_index(index)

File ~\anaconda3\Lib\site-packages\pandas\core\internals\construction.py:666, in _extract_index(data)
    664 lengths = list(set(raw_lengths))
    665 if len(lengths) > 1:
--> 666     raise ValueError("All arrays must be of the same length")
    668 if have_dicts:
    669     raise ValueError(
    670         "Mixing dicts with non-Series may lead to ambiguous ordering."
    671     )

ValueError: All arrays must be of the same length
```

```
In [66]: 2
```

```
Out[66]: 2
```

```
In [67]: from selenium import webdriver
import pandas as pd
import warnings
warnings.filterwarnings('ignore')
from selenium.webdriver.common.by import By
import time
```

```
In [68]: driver = webdriver.Chrome()
```

```
In [69]: driver.get("https://www.shine.com/")
```

```
In [71]: designation=driver.find_element(By.CLASS_NAME,"styledcls_body_hidden")
         designation.send_keys('Data Scientist')
```

```
In [74]: location=driver.find_element(By.XPATH,"/html/body/div[1]/div[1]/div[4]/div/div[2]/div[1]/div/div/div[3]/div[1]/div[1]/di
```



```
In [78]: location.send_keys
```

```
Out[78]: <bound method WebElement.send_keys of <selenium.webdriver.remote.webelement.WebElement (session="c6e6dad30271f03823b147463d9467aa", element="4DB09B2EAF4F3674E265529923C08FDE_element_1293")>>
```

```
In [79]: search=driver.find_element(By.XPATH,"/html/body/div[1]/div[1]/div[4]/div")
search.click
```

```
Out[79]: <bound method WebElement.click of <selenium.webdriver.remote.webelement.WebElement (session="c6e6dad30271f03823b147463d
9467aa", element="4DB09B2EAF4F3674E265529923C08FDE_element_111")>>
```

```
In [80]: job_title=[]
         job_location=[]
```

```
In [93]: title_tags=driver.find_elements(By.XPATH, '//div[@class="input-label "]/div/a')
         for i in title_tags:
             title=i.text
             job_title.append(title)
```

```
In [96]: location_tags=driver.find_elements(By.XPATH, '//div[@id="select_container_id_loc"]/div/a')
for i in location_tags:
    location=i.text
    job_location.append(location)
```

```
In [97]: print(len(job_title), len(job_location))
```

1 1

```
In [98]: df=pd.DataFrame({'Title':job_title,'Location':job_location,})
df
```

```
Out[98]:
```

	Title	Location
0		Location

In [8]: 3

Out[8]: 3

```
In [10]: from selenium import webdriver
import pandas as pd
import warnings
warnings.filterwarnings('ignore')
from selenium.webdriver.common.by import By
import time
```

```
In [13]: driver = webdriver.Chrome()
```

```
In [14]: url="https://www.flipkart.com/"
         driver.get(url)
```

```
In [15]: search_g= driver.find_element(By.XPATH,"//input[@type='text']")
search_g
```

```
Out[15]: <selenium.webdriver.remote.webelement.WebElement (session="8d8ddc69761d3dbfcc4b361227900e5f", element="2C5FD5B4137C12CF
0466E88F18A81CC5_element_88")>
```

```
In [16]: search_g.send_keys('sunglasses')
```

```
In [19]: search_btn= driver.find_element(By.XPATH,"//button[@class='L0Z3Pu']")
search_btn
```

```
Out[19]: <selenium.webdriver.remote.webelement.WebElement (session="8d8ddc69761d3dbfcc4b361227900e5f", element="63651808F934BA64
2D8F0B5538D034EA_element_260")>
```

```
In [23]: search_btn=driver.find_element(By.CLASS_NAME,'L0Z3Pu')
```

```
In [25]: search_btn.click
```

```
Out[25]: <bound method WebElement.click of <selenium.webdriver.remote.webelement.WebElement (session="8d8ddc69761d3dbfcc4b361227
900e5f", element="63651808F934BA642D8F0B5538D034EA_element_260")>>
```

```
In [26]: B_name=[]
Price=[]
P_desc=[]
Discount=[]
```

```
In [27]: 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='_25b18c']")
    discount=driver.find_elements(By.XPATH,"//div[@class='_3Ay6Sb']")
```

```
In [49]: for j in b_name:
    B_name.append(j.text)
    B_name[:100]
```

```
In [50]: for k in p_desc:
    P_desc.append(k.text)
    P_desc[:100]
```

```
In [51]: for l in price:
    Price.append(l.text)
    Price[:100]
```

```
In [52]: for t in discount:
    Discount.append(t.text)
    Discount[:100]
```

```
In [53]: B_name[:100]
```

```
Out[53]: ['Eyewearlabs',
          'hayden haiza',
          'SRPM',
          'Elligator',
          'Fastrack',
          'Elligator',
          'peter india',
          'I Flash',
          'VINCENT CHASE',
          'ROADWAY',
          'hayden haiza',
          'Eyenaks',
          'Rich Club',
          'TheWhoop',
          'Elligator',
          'Elligator',
          'VOYAGE',
          'ROZZETTA CRAFT',
          'NOWWAY',
          'DEIXELS',
          'VINCENT CHASE',
          'Eyewearlabs',
          'CLICKEDIN',
          'Rich Club',
          'Elligator',
          'Elligator',
          'hayden haiza',
          'VINCENT CHASE',
          'doah',
          'VINCENT CHASE',
          'hayden haiza',
          'PROVOGUE',
          'Elligator',
          'PIRASO',
          'ZUKER',
          'ROYAL SON',
          'VINCENT CHASE',
          'PROVOGUE',
          'RBGIIT',
          'PIRASO',
          'Eyewearlabs',
          'hayden haiza',
          'SRPM',
          'Elligator',
          'Fastrack',
          'Elligator',
          'peter india',
          'I Flash',
          'VINCENT CHASE',
          'ROADWAY',
          'hayden haiza',
          'Eyenaks',
          'Rich Club',
          'TheWhoop',
          'Elligator',
          'Elligator',
          'VOYAGE',
          'ROZZETTA CRAFT',
          'NOWWAY',
          'DEIXELS',
          'VINCENT CHASE',
          'Eyewearlabs',
          'CLICKEDIN',
          'Rich Club',
          'Elligator',
          'Elligator',
          'hayden haiza',
          'VINCENT CHASE',
          'doah',
          'VINCENT CHASE',
          'hayden haiza',
          'PROVOGUE',
          'Elligator',
          'PIRASO',
          'ZUKER',
          'ROYAL SON',
          'VINCENT CHASE',
          'PROVOGUE',
          'RBGIIT',
          'PIRASO',
          'Eyewearlabs',
          'hayden haiza',
          'SRPM',
          'Elligator',
          'Fastrack',
          'Elligator',
          'peter india',
          'I Flash',
          'VINCENT CHASE',
```

```
'ROADWAY',
'hayden haiza',
'Eyenaks',
'Rich Club',
'TheWhoop',
'Elligator',
'Elligator',
'VOYAGE',
'ROZZETTA CRAFT',
'NOWWAY',
'DEIXELS']
```

```
In [54]: print(len(B_name[:100]),print(len(Price[:100]),print(len(P_desc[:100]),print(len(Discount[:100]))
```

```
100
100
100
100
```

```
Out[54]: (None, None, None, None)
```

```
In [59]: sun_g1=pd.DataFrame({'Brand_name':B_name[:100], 'P_price':Price[:100], 'Pr_desc':P_desc[:100], 'P_discount':Discount[:100]})
```

```
In [61]: sun_g1
```

```
Out[61]:
```

	Brand_name	P_price	Pr_desc	P_discount
0	Eyewearlabs	₹2,199₹3,59938% off	Polarized, UV Protection Rectangular Sunglasse...	38% off
1	hayden haiza	₹225₹1,40083% off	UV Protection Retro Square Sunglasses (58)	83% off
2	SRPM	₹149₹1,29988% off	UV Protection Wayfarer Sunglasses (50)	88% off
3	Elligator	₹149₹49970% off	UV Protection Retro Square Sunglasses (54)	70% off
4	Fastrack	₹599₹1,09945% off	UV Protection Wayfarer Sunglasses (58)	45% off
...
95	Elligator	₹169₹99983% off	by Lenskart Polarized, UV Protection Retro Squ...	75% off
96	VOYAGE	₹220₹99977% off	Polarized, UV Protection Round Sunglasses (47)	68% off
97	ROZZETTA CRAFT	₹129₹2,49994% off	UV Protection Retro Square Sunglasses (Free Size)	80% off
98	NOWWAY	₹523₹1,99973% off	UV Protection Rectangular Sunglasses (52)	57% off
99	DEIXELS	₹129₹99987% off	UV Protection Wayfarer Sunglasses (50)	68% off

```
100 rows × 4 columns
```

```
In [62]: 6
```

```
Out[62]: 6
```

```
In [63]: driver = webdriver.Chrome()
```

```
In [64]: url="https://www.flipkart.com/"
driver.get(url)
```

```
In [67]: search_g= driver.find_element(By.XPATH,"//input[@type='text']")
search_g
```

```
Out[67]: <selenium.webdriver.remote.webelement.WebElement (session="a8421b307b589e9e479b284e6ff0f0f2", element="D7B2436E77482647DDC53A3B23F1991_element_50")>
```

```
In [68]: search_g.send_keys('sneakers')
```

```
In [70]: search_btn=driver.find_element(By.XPATH,"//button[@class='L0Z3Pu']")
search_btn
```

```
Out[70]: <selenium.webdriver.remote.webelement.WebElement (session="a8421b307b589e9e479b284e6ff0f0f2", element="985F29EA4EB5F6CA08E176C01DBB26DA_element_284")>
```

```
In [75]: search_btn=driver.find_element(By.CLASS_NAME,'L0Z3Pu')
```

```
In [76]: search_btn.click
```

```
Out[76]: <bound method WebElement.click of <selenium.webdriver.remote.webelement.WebElement (session="a8421b307b589e9e479b284e6ff0f0f2", element="985F29EA4EB5F6CA08E176C01DBB26DA_element_284")>>
```



```
In [103]: B_name=[]
Price=[]
P_desc=[]
Discount=[]
```

```
In [104]: 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='_25b18c']")
    discount=driver.find_elements(By.XPATH,"//div[@class='_3Ay6Sb']")
```

```
In [112]: for j in b_name:
    B_name.append(j.text)
    B_name[:100]
```

```
In [113]: for k in p_desc:
    P_desc.append(k.text)
    P_desc[:100]
```

```
In [114]: for l in price:
    Price.append(l.text)
    Price[:100]
```

```
In [115]: for t in discount:
    Discount.append(t.text)
    Discount[:100]
```

```
In [111]: B_name
```

```
Out[111]: ['Robbie jones',
'Ego by NS',
'URBANBOX',
'Deals4you',
'Robbie jones',
'asian',
'BRUTON',
'BRUTON',
'usz',
'RED TAPE',
'MEGPAR',
'Robbie jones',
'RED TAPE',
'aadi',
'Asics',
'RED TAPE',
'Robbie jones',
'Robbie jones',
'Ego by NS',
'JACKRUNNER',
'MEGPAR',
'BRUTON',
'PUMA',
'asian',
'RED TAPE',
'PUMA',
'aadi',
'BRUTON',
'Roadster',
'MEGPAR',
'Robbie jones',
'Robbie jones',
'RED TAPE',
'BRUTON',
'RED TAPE',
'JACKRUNNER',
'ATOM',
'ATOM',
'VENDOZ',
'RED TAPE']
```

```
In [116]: print(len(B_name[:100])),print(len(Price[:100])),print(len(P_desc[:100])),print(len(Discount[:100]))
```

```
80
90
60
80
```

```
Out[116]: (None, None, None, None)
```

In [231]: 7

Out[231]: 7

In [121]: driver = webdriver.Chrome()

In [118]: sneakers=pd.DataFrame({'Brand_name':B_name[:60], 'P_price':Price[:60], 'Pr_desc':P_desc[:60], 'P_discount':Discount[:60]})

In [120]: sneakers

Out[120]:

	Brand_name	P_price	Pr_desc	P_discount
0	Robbie jones	₹449₹1,99977% off	Trending Stylish Casual Outdoor Sneakers Shoes...	77% off
1	Ego by NS	₹319₹99968% off	Sneakers For Women	68% off
2	URBANBOX	₹299₹99970% off	Casual Sneakers Colour Blocked Shoes For Boys ...	70% off
3	Deals4you	₹399₹99960% off	Carnival-02 Mens High Top Casual Chunky Sneake...	60% off
4	Robbie jones	₹449₹1,99977% off	Lightweight Pack Of 1 Trendy Sneakers Sneakers...	77% off
5	asian	₹1,039₹1,79942% off	BRUTON Casual, Lace Up, Sneaker, canvas, Top r...	42% off
6	BRUTON	₹328₹1,29974% off	Sneaker Casual Shoes For Men Soft Cushion In...	74% off
7	BRUTON	₹328₹1,29974% off	White New Stylish Look Comfortable Casual Shoe...	74% off
8	usz	₹424₹1,99978% off	Sneaker Casual Shoes For Men Soft Cushion In...	78% off
9	RED TAPE	₹1,619₹5,39970% off	Aadi Men Black & Green Casual Sneaker Sneakers...	70% off
10	MEGPAR	₹399₹1,99980% off	GT-XPRESS 2 Sneakers For Men	80% off
11	Robbie jones	₹449₹1,99977% off	Casual Sneaker Shoes for Men Soft Cushioned ...	77% off
12	RED TAPE	₹1,619₹5,39970% off	Stylish Sneakers For Women	70% off
13	aadi	₹386₹1,99980% off	Combo Pack Of 2 Casual Shoes Sneakers For Men	80% off
14	Asics	₹2,840₹6,99959% off	Smashic Sneakers For Men	59% off
15	RED TAPE	₹1,709₹5,69970% off	Carnival-02 Mens High Top Casual Chunky Sneake...	70% off
16	Robbie jones	₹449₹1,99977% off	Casual Sneaker Shoes for Women Soft Cushione...	77% off
17	Robbie jones	₹399₹99960% off	ST Runner v3 Mesh Sneakers For Men	60% off
18	Ego by NS	₹319₹99968% off	Lightweight,Comfort,Summer,Trendy,Walking,Outd...	68% off
19	JACKRUNNER	₹499₹1,49966% off	Modern Trendy Sneakers Shoes Sneakers For Men	66% off
20	MEGPAR	₹449₹1,09959% off	Sneakers For Men	59% off
21	BRUTON	₹537₹2,49978% off	White New Stylish Look Comfortable Casual Shoe...	78% off
22	PUMA	₹1,569₹4,49965% off	Casual Sneakers White Outdoor Shoes For Boys A...	65% off
23	asian	₹1,039₹1,79942% off	Casual Sneaker Shoes for Men Soft Cushioned ...	42% off
24	RED TAPE	₹1,619₹5,39970% off	Modern Trendy Shoes Sneakers For Men	70% off
25	PUMA	₹2,070₹4,49953% off	Casual Sneaker Shoes for Men Soft Cushioned ...	53% off
26	aadi	₹357₹1,99982% off	Alpha Predator Sneakers For Men	82% off
27	BRUTON	₹329₹1,29974% off	Sneakers For Men	74% off
28	Roadster	₹833₹1,69950% off	HIGH HEEL SHOES Sneakers For Women	50% off
29	MEGPAR	₹399₹1,59975% off	Sneaker Casual Shoes for Men Soft Cushioned ...	75% off
30	Robbie jones	₹399₹99960% off	Trending Stylish Casual Outdoor Sneakers Shoes...	60% off
31	Robbie jones	₹549₹1,99972% off	Sneakers For Women	72% off
32	RED TAPE	₹2,369₹7,89970% off	Casual Sneakers Colour Blocked Shoes For Boys ...	70% off
33	BRUTON	₹299₹1,29976% off	Carnival-02 Mens High Top Casual Chunky Sneake...	76% off
34	RED TAPE	₹1,949₹6,49970% off	Lightweight Pack Of 1 Trendy Sneakers Sneakers...	70% off
35	JACKRUNNER	₹499₹1,49966% off	BRUTON Casual, Lace Up, Sneaker, canvas, Top r...	66% off
36	ATOM	₹1,339₹3,49561% off	Sneaker Casual Shoes For Men Soft Cushion In...	61% off
37	ATOM	₹1,239₹3,29562% off	White New Stylish Look Comfortable Casual Shoe...	62% off
38	VENDOZ	₹699₹99930% off	Sneaker Casual Shoes For Men Soft Cushion In...	30% off
39	RED TAPE	₹2,069₹6,89970% off	Aadi Men Black & Green Casual Sneaker Sneakers...	70% off
40	Robbie jones	₹44977% off	GT-XPRESS 2 Sneakers For Men	77% off
41	Ego by NS	₹1,61970% off	Casual Sneaker Shoes for Men Soft Cushioned ...	68% off
42	URBANBOX	₹69930% off	Stylish Sneakers For Women	70% off
43	Deals4you	₹2,84059% off	Combo Pack Of 2 Casual Shoes Sneakers For Men	60% off
44	Robbie jones	₹1,33961% off	Smashic Sneakers For Men	77% off
45	asian	₹449₹1,99977% off	Carnival-02 Mens High Top Casual Chunky Sneake...	42% off
46	BRUTON	₹319₹99968% off	Casual Sneaker Shoes for Women Soft Cushione...	74% off
47	BRUTON	₹299₹99970% off	ST Runner v3 Mesh Sneakers For Men	74% off
48	usz	₹399₹99960% off	Lightweight,Comfort,Summer,Trendy,Walking,Outd...	78% off
49	RED TAPE	₹449₹1,99977% off	Modern Trendy Sneakers Shoes Sneakers For Men	70% off
50	MEGPAR	₹1,039₹1,79942% off	Sneakers For Men	80% off
51	Robbie jones	₹328₹1,29974% off	White New Stylish Look Comfortable Casual Shoe...	77% off
52	RED TAPE	₹328₹1,29974% off	Casual Sneakers White Outdoor Shoes For Boys A...	70% off
53	aadi	₹424₹1,99978% off	Casual Sneaker Shoes for Men Soft Cushioned ...	80% off
54	Asics	₹1,619₹5,39970% off	Modern Trendy Shoes Sneakers For Men	59% off
55	RED TAPE	₹399₹1,99980% off	Casual Sneaker Shoes for Men Soft Cushioned ...	70% off

	Brand_name	P_price	Pr_desc	P_discount
56	Robbie jones	₹449₹1,99977% off	Alpha Predator Sneakers For Men	77% off
57	Robbie jones	₹1,619₹5,39970% off	Sneakers For Men	60% off
58	Ego by NS	₹386₹1,99980% off	HIGH HEEL SHOES Sneakers For Women	68% off
59	JACKRUNNER	₹2,840₹6,99959% off	Sneaker Casual Shoes for Men Soft Cushioned ...	66% off

In [232]: 8

Out[232]: 8

In [122]: url=" https://www.amazon.in "
driver.get(url)

In [123]: search_g= driver.find_element(By.XPATH,"//input[@type='text']")
search_g

Out[123]: <selenium.webdriver.remote.webelement.WebElement (session="08bf24c51ac6ccb9d117f704aacfd974", element="B7ED552E33CEB03B767B1D57CC8E3A74_element_21")>

In [124]: search_g.send_keys('Laptop')

In [126]: search_btn=driver.find_element(By.XPATH,"//input[@id='nav-search-submit-button']")
search_btn

Out[126]: <selenium.webdriver.remote.webelement.WebElement (session="08bf24c51ac6ccb9d117f704aacfd974", element="B7ED552E33CEB03B767B1D57CC8E3A74_element_26")>

In [129]: search_btn=driver.find_element(By.XPATH,"//input[@id='nav-search-submit-button']")
search_btn.click()

In [130]: Title=[]
Price=[]
Rating=[]

In [145]: for i in range(3):
name=driver.find_elements(By.XPATH,"//div[@class='_2WkVRV']")
rating=driver.find_elements(By.XPATH,"//a[@class='IRpwTa']")
price =driver.find_elements(By.XPATH,"//div[@class='_25b18c']")

In [146]: for j in name:
Title.append(j.text)
Title[:10]

In [147]: for k in rating:
Rating.append(k.text)
Rating[:10]

In [148]: for l in price:
Price.append(l.text)
Price[:10]

In [226]:

Out[226]: []

In [152]: print(len(name[:10]),print(len(rating[:10]),print(len(price[:10])))

0
0
0

Out[152]: (None, None, None)

In [153]: Laptop=pd.DataFrame({'Brand_name':name[:10], 'P_price':Price[:10], 'Rating':rating[:10],})

In [155]: Laptop

Out[155]:

Brand_name	P_price	Rating
------------	---------	--------

```

In [156]: driver = webdriver.Chrome()

In [157]: driver.get("https://www.azquotes.com/")

In [204]: search_g= driver.find_element(By.XPATH, "/html/body/div[1]/div[2]/div[1]/div/div[2]/div[1]/a")
search_g

Out[204]: <selenium.webdriver.remote.webelement.WebElement (session="1554045ca1fa259bd77b063804b7a440", element="FF333009C49B4329
2D80BCB6368F62F8_element_52")>

In [206]: search_g.send_keys('1000quotes')

In [207]: top_quotes = driver.find_element(By.CLASS_NAME, "title")

In [208]: top_quotes.click

Out[208]: <bound method WebElement.click of <selenium.webdriver.remote.webelement.WebElement (session="1554045ca1fa259bd77b063804
b7a440", element="FF333009C49B43292D80BCB6368F62F8_element_361")>>

In [210]: authors = driver.find_element(By.XPATH, "/html/body/div[1]/div[3]/div/div/div/div[1]/div/ul/li[1]/div/div[1]/a")

In [211]: authors.click()

In [212]: types_of_quotes = driver.find_element(By.XPATH, "/html/body/div[1]/div[3]/div/div/div/div[1]/div/ul/li[4]/div/div[2]/a[3]
types_of_quotes.click()

In [214]: for i in range(3):
    top_quotes = driver.find_elements(By.XPATH, "title")
    authors = driver.find_elements(By.XPATH, "author")
    types_of_quotes = driver.find_elements(By.XPATH, "quotes/topics/strategy.html")

In [213]: top_quotes=[]
authors=[]
types_of_quotes=[]

In [216]: for k in top_quotes:
    top_quotes.append(j.text)
    top_quotes[:1000]

In [215]: for j in authors:
    authors.append(j.text)
    authors[:1000]

In [217]: for l in types_of_quotes:
    types_of_quotes.append(j.text)
    types_of_quotes[:1000]

In [229]: types_of_quotes

Out[229]: []

In [230]: print(len(authors[:1000])),print(len(top_quotes[:1000])),print(len(types_of_quotes[:1000]))

0
0
0

Out[230]: (None, None, None)

In [223]: quotes=pd.DataFrame({'Authors':authors[:1000], 'Top_Quotes':top_quotes[:1000], 'types_of_quotes':types_of_quotes[:1000],})

In [225]: quotes

Out[225]:
   Authors  Top_Quotes  types_of_quotes

```

```

In [243]: top_quotes = driver.find_element(By.XPATH, "/html/body/div[1]/div[3]/div/div/div/div[1]/div/div[1]/span[2]")
top_quotes.click()

```

```
In [248]: quotes = driver.find_elements(By.XPATH, "title ")
authors = driver.find_elements(By.XPATH, "author")
types = driver.find_elements(By.XPATH, "tags")
```

```
In [249]: for quote, author, quote_type in zip(quotes, authors, types):
print("Quote:", quote.text)
print("Author:", author.text)
print("Type of Quote:", quote_type.text)
print()
```

```
In [250]:
```

```
Out[250]: []
```

```
In [251]: 9
```

```
Out[251]: 9
```

```
In [252]: driver = webdriver.Chrome()
```

```
In [253]: driver.get('https://www.jagranjosh.com/')
```

```
In [258]: gk_option = driver.find_element(By.XPATH, '/html/body/div[1]/header/nav/div/div/div[3]/ul/li[3]/a')
gk_option.click()
```

```
In [264]: pm_option = driver.find_element(By.XPATH, '/html/body/div[1]/div[8]/section[5]/div[2]/ul/li[4]/figure/a/span/img')
```

```
In [265]: pm_option.click()
```

```
In [284]: data = []
table = driver.find_element(By.XPATH, "/html/body/div[1]/main/div[1]/div[1]/article/div[3]/div[6]/div")
rows = table.find_element(By.XPATH, '/html/body/div[1]/main/div[1]/div[1]/article/div[3]/div[6]/div/table/tbody/tr[4]')
columns = table.find_element(By.XPATH, '/html/body/div[1]/main/div[1]/div[1]/article/div[3]/div[6]/div/table/tbody/tr[20]/td')
```

```
In [285]:
```

```
In [1]: 10
```

```
Out[1]: 10
```

```
In [3]: from selenium import webdriver
import pandas as pd
import warnings
warnings.filterwarnings('ignore')
from selenium.webdriver.common.by import By
import time
```

```
In [26]: driver = webdriver.Chrome()
```

```
In [27]: driver.get('https://www.motor1.com/')
```

```
In [28]: designation = driver.find_elements(By.CLASS_NAME, "features-search_input")
```

```
In [29]: search = driver.find_elements(By.CLASS_NAME, "features-search_input-wrapper")
```

```
In [34]: search = driver.find_elements(By.XPATH, '/html/body/div[10]/div[6]/form/div/input')
```

```
In [37]: search
```

```
Out[37]: [<selenium.webdriver.remote.webelement.WebElement (session="c58630d5e086723df5d2ae9cd0a0afc8", element="030074C1E11EA9E9996B15C0D1E091C5_element_32")>]
```

```
In [43]: most_expensive_cars = []
```

```
In [44]: cars_tags=driver.find_elements(By.XPATH, '/html/body/div[10]/div[9]/div/div[1]/div/div/div[2]/a/picture/img')
for i in cars_tags:
    cars= i.text
    most_expensive_cars.append(title)
```

```
In [45]: most_expensive_cars
```

```
Out[45]: [[<selenium.webdriver.remote.webelement.WebElement (session="c58630d5e086723df5d2ae9cd0a0afc8", element="030074C1E11EA9E9996B15C0D1E091C5_element_32")>]]
```

```
In [48]: print(len(most_expensive_cars[:50]))
```

```
1
```

```
In [54]: car_names =[]
car_prices=[]
```

```
In [55]: for i in range(2):
    car_names = driver.find_elements(By.XPATH, '//div[@class="article-content"]/h3')
    car_prices = driver.find_elements(By.XPATH, '//div[@class="article-content"]/p')
```

```
In [56]: for j in car_names:
    car_names.append(j.text)
    car_names[:50]
```

```
In [57]: for k in car_prices:
    car_prices.append(j.text)
    car_prices[:50]
```

```
In [58]: car_names[:50]
```

```
Out[58]: []
```

```
In [59]: print(len(car_names[:50])),print(len(car_prices[:50]))
```

```
0
0
```

```
Out[59]: (None, None)
```

```
In [60]: data= []
```

```
In [61]: for name, price in zip(car_names, car_prices):
    data.append([name.text, price.text])
```

```
In [62]: df = pd.DataFrame(data, columns=['Car Name', 'Price'])
print(df)
```

```
Empty DataFrame
Columns: [Car Name, Price]
Index: []
```

```
In [ ]:
```