```
In [2]: #Downloading web driver
#import all the required libraries
import selenium
import pandas as pd
from selenium import webdriver
import warnings
warnings.filterwarnings('ignore')
```

1. Write a python program which searches all the product under a particular product from www.amazon.in (http://www.amazon.in). The product to be searched will be taken as input from user. For e.g. If user input is 'guitar'. Then search for guitars.

```
In [3]: #Let's first connect to web driver
driver=webdriver.Chrome(r"C:/Users/Gamya/Downloads/chromedriver_win32/chromedrive
In [91]: driver.get('https://www.amazon.in/')
In [92]: search=input()
    bottles
In [93]: s=driver.find_element_by_xpath("//input[@id='twotabsearchtextbox']")
    s.send_keys(search)
In [94]: src=driver.find_element_by_xpath("//input[@id='nav-search-submit-button']")
    src.click()
```

2. In the above question, now scrape the following details of each product listed in first 3 pages of your search results and save it in a data frame and csv. In case if any product has less than 3 pages in search results then scrape all the products available under that product name. Details to be scraped are: "Brand Name", "Name of the Product", "Price", "Return/Exchange", "Expected Delivery", "Availability" and "Product URL". In case, if any of the details are missing for any of the product then replace it by "-"

```
In [99]: bname=[]
    name=[]
    price=[]
    exchange=[]
    avail=[]
    purl=[]
```

```
In [100]: | for i in driver.find elements by xpath("//span[@class='rush-component']"):
              purl.append(i.get_attribute("href"))
          n=driver.find element by xpath("//li[@class='a-last']")
          for i in driver.find elements by xpath("//span[@class='rush-component']"):
              purl.append(i.get_attribute("href"))
          n=driver.find element by xpath("//li[@class='a-last']")
          for i in driver.find_elements_by_xpath("//span[@class='rush-component']"):
              purl.append(i.get attribute("href"))
In [105]: for j in purl:
              try:
                   b=driver.find elements by xpath("//span[@class='a-size-base-plus a-color-
                  for i in b:
                       bname.append(i.text)
              except:
                  bname.append('-')
              try:
                   p=driver.find elements by xpath("//span[@class='a-price-whole']")
                  for i in p:
                       price.append(i.text)
              except:
                  price.append('-')
              try:
                   e=driver.find elements by xpath("//span[@class='a-text-bold']")
                  for i in e:
                       exchange.append(i.text)
              except:
                   exchange.append('-')
              try:
                   a=driver.find_elements_by_xpath("//span[@class='a-size-base a-color-price
                  for i in a:
                       avail.append(i.text)
              except:
                   avail.append('-')
In [108]: bname[0:2]
Out[108]: ['Amazon Brand - Solimo Plastic Water Bottle, 800ml, 6 Pieces, White',
            'Ikai Asai Earthenware Bottle, Brown']
In [109]: |price[0:2]
Out[109]: ['577', '800']
In [107]: exchange[0:2]
Out[107]: ['Tomorrow 3PM', 'Tuesday, December 28']
```

3. Write a python program to access the search bar and search button on images.google.com and scrape 10 images each for keywords 'fruits', 'cars' and 'Machine Learning', 'Guitar', 'Cakes'.

```
In [59]: driver.get('https://images.google.com/')
         s=driver.find element by xpath("//input[@class='gLFyf gsfi']")
In [60]:
         s.send keys('fruits')
In [61]: | src=driver.find element by xpath("//span[@class='z1asCe MZy1Rb']")
         src.click()
In [62]: f=driver.find_elements_by_xpath("//a[@class='wXeWr islib nfEiy']")
In [63]: f l=f[0:10]
In [64]: fruits=[]
In [65]: for i in f 1:
             j=i.get attribute('href')
             fruits.append(j)
In [66]: driver.get('https://images.google.com/')
         s=driver.find element by xpath("//input[@class='gLFyf gsfi']")
         s.send keys('cars')
         src=driver.find_element_by_xpath("//span[@class='z1asCe MZy1Rb']")
         src.click()
         c=driver.find elements by xpath("//a[@class='wXeWr islib nfEiy']")
         c l=c[0:10]
         cars=[]
         for i in c 1:
             cars.append(i.get_attribute('href'))
In [67]: driver.get('https://images.google.com/')
         s=driver.find_element_by_xpath("//input[@class='gLFyf gsfi']")
         s.send keys('Machine Learning')
         src=driver.find element by xpath("//span[@class='z1asCe MZy1Rb']")
         src.click()
         m=driver.find_elements_by_xpath("//a[@class='wXeWr islib nfEiy']")
         m l=m[0:10]
         machinelearning=[]
         for i in m 1:
             machinelearning.append(i.get attribute('href'))
```

```
In [68]: driver.get('https://images.google.com/')
    s=driver.find_element_by_xpath("//input[@class='gLFyf gsfi']")
    s.send_keys('guitar')
    src=driver.find_element_by_xpath("//span[@class='z1asCe MZy1Rb']")
    src.click()
    g=driver.find_elements_by_xpath("//a[@class='wXeWr islib nfEiy']")
    g_l=g[0:10]
    guitars=[]
    for i in g_l:
        guitars.append(i.get_attribute('href'))
```

```
In [69]: driver.get('https://images.google.com/')
    s=driver.find_element_by_xpath("//input[@class='gLFyf gsfi']")
    s.send_keys('cakes')
    src=driver.find_element_by_xpath("//span[@class='z1asCe MZy1Rb']")
    src.click()
    ca=driver.find_elements_by_xpath("//a[@class='wXeWr islib nfEiy']")
    ca_l=ca[0:10]
    cakes=[]
    for i in ca_l:
        cakes.append(i.get_attribute('href'))
```

```
In [70]: print(len(cars),len(fruits),len(machinelearning),len(guitars),len(cakes))
```

10 10 10 10 10

4. Write a python program to search for a smartphone(e.g.: Oneplus Nord, pixel 4A, etc.) on www.flipkart.com (http://www.flipkart.com) and scrape following details for all the search results displayed on 1st page. Details to be scraped: "Brand Name", "Smartphone name", "Colour", "RAM", "Storage(ROM)", "Primary Camera", "Secondary Camera", "Display Size", "Battery Capacity", "Price", "Product URL". Incase if any of the details is missing then replace it by "- ". Save your results in a dataframe and CSV

```
In [98]: |url=[]
          for i in driver.find_elements_by_xpath("//a[@class='_1fQZEK']"):
              url.append(i.get attribute('href'))
In [125]: bname=[]
          for j in url:
              try:
                   b=driver.find_elements_by_xpath("//div[@class='_4rR01T']")
                   b 1=b[0:24]
                   for i in b 1:
                       bname.append(i.text)
              except:
                   bname.append('-')
              try:
                   ram=[]
                   dis=[]
                   cam=[]
                   bat=[]
                   des=[]
                   h=driver.find elements by xpath("//li[@class='rgWa7D']")
                   for i in h:
                       des.append(i.text)
                   for i in range(0,len(des)-1,7):
                       ram.append(des[i])
                       dis.append(des[i+1])
                       cam.append(des[i+2])
                       bat.append(des[i+3])
              except:
                   des.append('-')
              try:
                   price=[]
                   p=driver.find elements by xpath("//div[@class=' 30jeq3 1 WHN1']")
                   for i in p:
                       price.append(i.text)
              except:
                   price.append('-')
In [135]: print(len(bname),len(des),len(price),len(url))
          24 24 24 24
In [137]: phones=pd.DataFrame({})
          phones['brand']=bname
          phones['des']=des
          phones['price']=price
          phones['purl']=url
```

In [138]: phones

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	brand	des	price	purl
0	realme C25Y (Glacier Blue, 64 GB)	4 GB RAM 64 GB ROM Expandable Upto 256 GB	₹10,999	https://www.flipkart.com/realme- c25y-glacier-b
1	realme 8i (Space Black, 128 GB)	16.51 cm (6.5 inch) HD+ Display	₹15,999	https://www.flipkart.com/realme- 8i-space-black
2	realme 8i (Space Purple, 64 GB)	50MP + 2MP + 2MP 8MP Front Camera	₹13,999	https://www.flipkart.com/realme- 8i-space-purpl
3	GIONEE Max Pro (Red, 32 GB)	5000 mAh Battery	₹9,999	https://www.flipkart.com/gionee- max-pro-red-32
4	realme 8i (Space Purple, 128 GB)	Unisoc T610 Octa Core Processor	₹15,999	https://www.flipkart.com/realme- 8i-space-purpl
5	realme Narzo 50A (Oxygen Blue, 128 GB)	1 Year Warranty for Mobile and 6 Months for Ac	₹12,499	https://www.flipkart.com/realme- narzo-50a-oxyg
6	realme C25Y (Metal Grey, 64 GB)	6 GB RAM 128 GB ROM Expandable Upto 256 GB	₹10,999	https://www.flipkart.com/realme- c25y-metal-gre
7	realme 8i (Space Black, 64 GB)	16.76 cm (6.6 inch) Full HD+ Display	₹13,999	https://www.flipkart.com/realme- 8i-space-black
8	realme Narzo 50A (Oxygen Green, 128 GB)	50MP + 2MP + 2MP 16MP Front Camera	₹12,499	https://www.flipkart.com/realme- narzo-50a-oxyg
9	realme Narzo 50A (Oxygen Green, 64 GB)	5000 mAh Battery ₹11,		https://www.flipkart.com/realme- narzo-50a-oxyg
10	realme Narzo 50A (Oxygen Blue, 64 GB)	MediaTek Helio G96 Processor	₹11,499	https://www.flipkart.com/realme- narzo-50a-oxyg
11	REDMI 9i (Nature Green, 64 GB)	1 Year Warranty for Mobile and 6 Months for Ac	₹8,799	https://www.flipkart.com/redmi- 9i-nature-green
12	REDMI 9i (Midnight Black, 64 GB)	4 GB RAM 64 GB ROM Expandable Upto 256 GB	₹8,799	https://www.flipkart.com/redmi- 9i-midnight-bla
13	realme C21Y (Cross Black, 32 GB)	16.76 cm (6.6 inch) Full HD+ Display	₹9,499	https://www.flipkart.com/realme-c21y-cross-bla
14	realme C21Y (Cross Black, 64 GB)	50MP + 2MP + 2MP 16MP Front Camera	₹10,499	https://www.flipkart.com/realme-c21y-cross-bla
15	realme C21Y (Cross Blue, 64 GB)	5000 mAh Battery	₹10,499	https://www.flipkart.com/realme-c21y-cross-blu
16	realme 8 5G (Supersonic Blue, 64 GB)	MediaTek Helio G96 Processor	₹15,499	https://www.flipkart.com/realme- 8-5g-supersoni
17	realme Narzo 50i (Carbon Black, 32 GB)	1 Year Warranty for Mobile and 6 Months for Ac	₹7,499	https://www.flipkart.com/realme- narzo-50i-carb
18	realme Narzo 50i (Mint Green, 32 GB)	3 GB RAM 32 GB ROM Expandable Upto 256 GB	₹7,499	https://www.flipkart.com/realme- narzo-50i-mint
19	REDMI 9i (Sea Blue, 64 GB)	16.56 cm (6.52 inch) HD+ Display	₹8,799	https://www.flipkart.com/redmi- 9i-sea-blue-64
20	realme 8s 5G (Universe Purple, 128 GB)	13MP + 2MP 8MP Front Camera	₹19,999	https://www.flipkart.com/realme- 8s-5g-universe
21	realme 8s 5G (Universe Blue, 128 GB)	6000 mAh Lithium Polymer Battery	₹19,999	https://www.flipkart.com/realme- 8s-5g-universe

purl	price	des	brand	
https://www.flipkart.com/realme- c21y-cross-blu	₹9,499	Octa Core Processor	realme C21Y (Cross Blue, 32 GB)	22
https://www.flipkart.com/poco- c31-royal-blue-6	₹9,499	One Year for Handset, 6 Months for Accessories	POCO C31 (Royal Blue, 64 GB)	23

5. Write a program to scrap geospatial coordinates (latitude, longitude) of a city searched on google maps.

```
In [156]: driver.get('https://www.google.com/')
In [144]: | #s=driver.find_element_by_xpath("//input[@class='gLFyf gsfi']")
          #s.send_keys('geographical coordinates')
          #src=driver.find_element_by_xpath("//div[@class='wM6W7d']")
          #src.click()
In [145]: #g=driver.find_element_by_xpath("//h3[@class='LC20lb MBeuO DKV0Md']")
          #q.click()
In [159]:
          search=input()
          hyderabad
In [160]:
          search=search+' coordinates'
          search
Out[160]: 'hyderabad coordinates'
In [161]: |place=s=driver.find_element_by_xpath("//input[@class='gLFyf gsfi']")
          place.send_keys(search)
In [162]: src=driver.find element by xpath("//div[@class='wM6W7d']")
          src.click()
In [171]: cor=driver.find_element_by_xpath("//div[@class='Z0LcW']")
          c=[]
          c.append(cor.text)
Out[171]: ['17.3850° N, 78.4867° E']
```

```
In [173]: print("Latitude and Logitude of "+search +" is ")
           Latitude and Logitude of hyderabad coordinates is
Out[173]: ['17.3850° N, 78.4867° E']
            6. Write a program to scrap details of all the funding deals for second guarter (i.e Jan 21 – March
              21) from trak.in.
In [174]: driver.get('https://trak.in/')
In [175]: f=driver.find element by xpath("//li[@id='menu-item-51510']")
           f.click()
In [208]: date=[]
           d=driver.find_elements_by_xpath("//td[@class='column-2']")
           for i in d[5:29]:
               date.append(i.text)
           date=date[::-1]
In [209]: | startup=[]
           s=driver.find_elements_by_xpath("//td[@class='column-3']")
           for i in s[5:29]:
               startup.append(i.text)
           startup=startup[::-1]
In [210]: |industry=[]
           ii=driver.find_elements_by_xpath("//td[@class='column-4']")
           for i in ii[5:29]:
               industry.append(i.text)
           industry=industry[::-1]
In [211]: sub vertical=[]
           su=driver.find_elements_by_xpath("//td[@class='column-5']")
           for i in su[5:29]:
               sub vertical.append(i.text)
           sub vertical=sub vertical[::-1]
In [212]: | city=[]
           c=driver.find_elements_by_xpath("//td[@class='column-6']")
           for i in c[5:29]:
               city.append(i.text)
           city=city[::-1]
```

```
In [213]: inv_name=[]
    inn=driver.find_elements_by_xpath("//td[@class='column-7']")
    for i in inn[5:29]:
        inv_name.append(i.text)
    inv_name=inv_name[::-1]

In [214]: inv_type=[]
    inty=driver.find_elements_by_xpath("//td[@class='column-8']")
    for i in inty[5:29]:
        inv_type.append(i.text)
    inv_type=inv_type[::-1]

In [215]: amount=[]
    a=driver.find_elements_by_xpath("//td[@class='column-9']")
    for i in a[5:29]:
        amount.append(i.text)
    amount=amount[::-1]
```

```
In [217]: print("Funding Investment between Jan21-Mar21:")
    f_inv=pd.DataFrame({})
    f_inv['date']=date
    f_inv['startup_name']=startup
    f_inv['Industry']=industry
    f_inv['Sub_vertical']=sub_vertical
    f_inv['City']=city
    f_inv['Investor_name']=inv_name
    f_inv['Investor_type']=inv_type
    f_inv['Amount']=amount
    f_inv
```

Funding Investment between Jan21-Mar21:

Out[217]: date		startup_name	Industry	Sub_vertical	City	Investor_name	Investor_type	
	0	13/01/2021	Saveo	B2B E- commerce	Pharmacies	Bengaluru	Matrix Partners India, RTP Global, others	Seed
	1	11/01/2021	True Elements	Food Startup	Whole Food plant based Nashta	Pune	SIDBI Venture Capital	Series
	2	18/01/2021	Udayy	EdTech	Online learning platform for kids in class 1- 5	Gurgaon	Sequoia Capital	Seed Funding
	3	18/01/2021	mfine	Health Tech Startup	Al-powered telemedicine mobile app	Bengaluru	Heritas Capital Management	Venture Round
	4	19/01/2021	Darwinbox	SaaS	HR Tech	Mumbai	Salesforce Ventures	Seed
	5	19/01/2021	DeHaat	AgriTech Startup	online marketplace for farm products and services	Patna	Prosus Ventures	Series C
6		28/01/2021	Bombay Shaving Company	Consumer Goods Company	Shave care, beard care, and skincare products	New Delhi	Reckitt Benckiser	Venture (
	7	15/01/2021	Digit Insurance	Financial Services	Insurance Services	Bengaluru	A91 Partners, Faering Capital, TVS Capital Funds	Venture
	8	09/02/2021	SplashLearn	EdTech	Game-based learning programme	Gurgaon	Owl Ventures	Series C
	9	09/02/2021	Nothing	Technology	Consumer Technology Venture	London	GV	Series A
	10	12/02/2021	Grofers	E- Commerce	Online supermarket	Gurgaon	SoftBank Vision Fund (SVF)	Unspecified
	11	12/02/2021	Pepperfry	E- commerce	Multi-brand furniture brand	Mumbai	InnoVen Capital	Debt Financing

	date	startup_name	Industry	Sub_vertical	City	Investor_name	Investor_type	
12	15/02/2021	KreditBee	Finance	Digital lending platform	Bengaluru	Azim Premji's Premjilnvest and South Korea's M	Series C	_
13	17/02/2021	Zolve	FinTech	Global Neobank Venture	Mumbai	Accel Partners and Lightspeed Venture Partners	Seed	
14	19/02/2021	Fingerlix	Hospitality	Semi-cooked food delivery app	food delivery Mumbai		Series C	:
15	22/02/2021	Zomato	Hospitality	Online Food Delivery Gurgaon Platform		Tiger Global, Kora	Venture	
16	11/02/2021	Doubtnut	Edu Tech	E-Learning Platform	Gurgaon	SIG Global, Sequoia Capital, WaterBridge Ventu	Series B	
17	26/03/2021	DotPe	FinTech	Commerce and payments platform to offline ente	Gurgaon	PayU	Series A	
18	25/03/2021	CityMall	E- commerce	Social ecommerce and online grocery platform	Gurgaon	Accel Partners	Series A	
19	23/03/2021	SkilloVilla	Edu-tech	Career and job-oriented upskilling.	Bengaluru	Titan Capital, others	Seed	
20	30/03/2021	BYJU'S	Edu-tech	Online tutoring	Bengaluru	MC Global Edtech, B Capital, Baron, others	Series F	
21	30/03/2021	Dunzo	E- commerce	Hyper-local delivery app	Bengaluru	Krishtal Advisors Pte Ltd	Series E	
22	31/03/2021	Uniphore	Technology	Conversational Service Automation (CSA)	Palo Alto	Sorenson Capital Partners	Series D	
23	04/03/2021	DealShare	E- commerce	Online shopping platform	Jaipur, Rajasthan	Innoven Capital	Debt Financing	
4							•	

7. Write a program to scrap all the available details of best gaming laptops from digit.in.

```
In [4]: driver.get('https://www.digit.in/')
```

```
In [5]: | f=driver.find_element_by_xpath("//div[@class='search']")
          f.click()
 In [6]: | s=driver.find_element_by_xpath("//input[@id='globalPageSearchText']")
          s.send keys('gaming laptops')
In [15]: driver.get('https://www.digit.in/search/?keyword=gaming%20laptops')
In [19]: products=[]
          p=driver.find elements by xpath("//div[@class='searchProduct-desc']")
          for i in p:
              products.append(i.text)
In [21]: products[0:2]
Out[21]: ["ASUS G53J - A 3D gamer's delight but we want more", 'HP Envy 15-k006tx']
           8. Write a python program to scrape the details for all billionaires from www.forbes.com
             (http://www.forbes.com). Details to be scrapped: "Rank", "Name", "Net worth", "Age",
             "Citizenship", "Source", "Industry".
In [22]: driver.get('https://www.forbes.com/billionaires/')
In [24]:
         rank=[]
          r=driver.find elements by xpath("//div[@class='rank']")
          for i in r:
              rank.append(i.text)
In [25]:
         name=[]
          n=driver.find_elements_by_xpath("//div[@class='personName']")
          for i in n:
              name.append(i.text)
          name[0:2]
Out[25]: ['Jeff Bezos', 'Elon Musk']
In [26]: net worth=[]
          nn=driver.find_elements_by_xpath("//div[@class='netWorth']")
          for i in nn:
              net worth.append(i.text)
          net_worth[0:2]
Out[26]: ['$177 B', '$151 B']
```

```
In [28]: age=[]
         a=driver.find_elements_by_xpath("//div[@class='age']")
         for i in a:
             age.append(i.text)
         age[0:2]
Out[28]: ['57', '49']
In [29]: |citizenship=[]
         c=driver.find elements by xpath("//div[@class='countryOfCitizenship']")
         for i in c:
             citizenship.append(i.text)
         citizenship[0:2]
Out[29]: ['United States', 'United States']
In [30]: source=[]
         s=driver.find_elements_by_xpath("//div[@class='source']")
         for i in s:
             source.append(i.text)
         source[0:2]
Out[30]: ['Amazon', 'Tesla, SpaceX']
In [31]: industry=[]
         ii=driver.find_elements_by_xpath("//div[@class='category']")
         for i in ii:
             industry.append(i.text)
         industry[0:2]
Out[31]: ['Technology', 'Automotive']
```

```
In [32]: bill=pd.DataFrame({})
    bill['Rank']=rank[0:10]
    bill['Name']=name[0:10]
    bill['Net Worth']=net_worth[0:10]
    bill['Age']=age[0:10]
    bill['Citizenship']=citizenship[0:10]
    bill['Souce']=source[0:10]
    bill['Industry']=industry[0:10]
    bill
```

Out[32]:

	Rank	Name	Net Worth	Age	Citizenship	Souce	Industry
0	1.	Jeff Bezos	\$177 B	57	United States	Amazon	Technology
1	2.	Elon Musk	\$151 B	49	United States	Tesla, SpaceX	Automotive
2	3.	Bernard Arnault & family	\$150 B	72	France	LVMH	Fashion & Retail
3	4.	Bill Gates	\$124 B	65	United States	Microsoft	Technology
4	5.	Mark Zuckerberg	\$97 B	36	United States	Facebook	Technology
5	6.	Warren Buffett	\$96 B	90	United States	Berkshire Hathaway	Finance & Investments
6	7.	Larry Ellison	\$93 B	76	United States	software	Technology
7	8.	Larry Page	\$91.5 B	48	United States	Google	Technology
8	9.	Sergey Brin	\$89 B	47	United States	Google	Technology
9	10.	Mukesh Ambani	\$84.5 B	63	India	diversified	Diversified

9. Write a program to extract at least 500 Comments, Comment upvote and time when comment was posted from any YouTube Video.

```
In [53]: commentsupvote=[]
          try:
              cc=driver.find elements by xpath("//span[@id='vote-count-middle']")
              for i in cc[0:500]:
                  commentsupvote.append(i.text)
          except:
              commentsupvote.append('-')
          commentsupvote[0:2]
Out[53]: ['11K', '72']
In [55]: posted=[]
          t=driver.find elements by xpath("//yt-formatted-string[@class='published-time-tex
          for i in t[0:500]:
              posted.append(i.text)
          posted[0:2]
Out[55]: ['21 hours ago', '2 hours ago']
In [56]: print(len(comments),len(commentsupvote),len(posted))
          500 500 500
          10. Write a python program to scrape a data for all available Hostels from
              https://www.hostelworld.com/ (https://www.hostelworld.com/) in "London" location. You have to
              scrape hostel name, distance from city centre, ratings, total reviews, overall reviews, privates
             from price, dorms from price, facilities and property description.
In [58]: driver.get('https://www.hostelworld.com/')
In [59]: driver.find element by xpath("//input[@id='search-input-field']").send keys('Lond
In [60]: driver.find element by xpath("//button[@id='search-button']").click()
In [62]: hostel name=[]
          h=driver.find_elements_by_xpath("//h2[@class='title title-6']")
          for i in h:
              hostel name.append(i.text)
          hostel_name[0:2]
Out[62]: ['Mornington Camden', 'Smart Russell Square Hostel']
In [63]: | dist=[]
          d=driver.find_elements_by_xpath("//span[@class='description']")
          for i in d:
              dist.append(i.text)
          dist[0:2]
```

Out[63]: ['Hostel - 4.1km from city centre', 'Hostel - 2.6km from city centre']

```
In [64]: ratings=[]
         r=driver.find_elements_by_xpath("//div[@class='score orange big']")
         for i in r:
             ratings.append(i.text)
         ratings[0:2]
Out[64]: ['8.3', '6.6']
In [65]: |total_reviews=[]
         t=driver.find elements by xpath("//div[@class='reviews']")
         for i in t:
             total reviews.append(i.text)
         total_reviews[0:2]
Out[65]: ['44 Total Reviews', '9558 Total Reviews']
In [66]: overall reviews=[]
         o=driver.find elements by xpath("//div[@class='keyword']")
         for i in o:
             overall reviews.append(i.text)
         overall reviews[0:2]
Out[66]: ['Superb', 'Fabulous']
In [75]: | prices=[]
         privates=[]
         dorm=[]
         p=driver.find elements by xpath("//a[@class='prices']")
         for i in p[3:]:
             prices.append(i.text)
         for i in range(0,len(prices)-1,2):
             privates.append(prices[i])
             dorm.append(prices[i+1])
In [85]: facilities=[]
         f=driver.find elements by xpath("//div[@class='facilities-label facilities']")
         for i in f:
             facilities.append(i.text)
         facilities[0:2]
Out[85]: ['Free WiFi', 'Free WiFi\nFollows Covid-19 sanitation guidance']
In [86]: props=[]
         p=driver.find_elements_by_xpath("//div[@class='rating-factors prop-card-tablet ra
         for i in p:
             props.append(i.text)
         props[0:2]
Out[86]: ['Perfect Location\nSuperb Staff\nFantastic Cleanliness',
           'Perfect Location\nBrilliant Staff\nAwesome Cleanliness']
```