In [23]:
```
!pip install selenium
```

```
Requirement already satisfied: selenium in c:\users\su2ny\anaconda3\lib\site-packages (4.8.0)
Requirement already satisfied: certifi>=2021.10.8 in c:\users\su2ny\anaconda3\lib\site-packages (from selenium) (2021.10.8)
Requirement already satisfied: urllib3[socks]~=1.26 in c:\users\su2ny\anaconda3\lib\site-packages (from selenium) (1.26.9)
Requirement already satisfied: trio~=0.17 in c:\users\su2ny\anaconda3\lib\site-packages (from selenium) (0.22.0)
Requirement already satisfied: trio-websocket~=0.9 in c:\users\su2ny\anaconda3\lib\site-packages (from selenium) (0.9.2)
Requirement already satisfied: idna in c:\users\su2ny\anaconda3\lib\site-packages (from trio~=0.17->selenium) (3.3)
Requirement already satisfied: attrs>=19.2.0 in c:\users\su2ny\anaconda3\lib\site-packages (from trio~=0.17->selenium) (21.4.0)
Requirement already satisfied: outcome in c:\users\su2ny\anaconda3\lib\site-packages (from trio~=0.17->selenium) (1.2.0)
Requirement already satisfied: async-generator>=1.9 in c:\users\su2ny\anaconda3\lib\site-packages (from trio~=0.17->selenium) (1.10)
Requirement already satisfied: exceptiongroup>=1.0.0rc9 in c:\users\su2ny\anaconda3\lib\site-packages (from trio~=0.17->selenium) (1.1.0)
Requirement already satisfied: cffi>=1.14 in c:\users\su2ny\anaconda3\lib\site-packages (from trio~=0.17->selenium) (1.15.0)
Requirement already satisfied: sniffio in c:\users\su2ny\anaconda3\lib\site-packages (from trio~=0.17->selenium) (1.2.0)
Requirement already satisfied: sortedcontainers in c:\users\su2ny\anaconda3\lib\site-packages (from trio~=0.17->selenium) (2.4.0)
Requirement already satisfied: pycparser in c:\users\su2ny\anaconda3\lib\site-packages (from cffi>=1.14->trio~=0.17->selenium) (2.21)
Requirement already satisfied: wsproto>=0.14 in c:\users\su2ny\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\su2ny\anaconda3\lib\site-packages (from urllib3[socks]~=1.26->selenium) (1.
7.1)
Requirement already satisfied: h11<1,>=0.9.0 in c:\users\su2ny\anaconda3\lib\site-packages (from wsproto>=0.14->trio-websocket~=0.9->selenium) (0.1
4.0)
```

In [24]:
```
import selenium
import pandas as pd
from selenium import webdriver
import warnings
```

In [25]:
```
warnings.filterwarnings('ignore')
from selenium.common.exceptions import StaleElementReferenceException, NoSuchElementException
from selenium.webdriver.common.by import By
import time
```

Now we will download the webDriver for the Web Browser.Steps for download are- 1.check the version of your browser 2.go to the link https://chromedriver.chromium.org/downloads 3.Download the webdriver for your version of your browser.

In [26]:
```
#Let first connect to the driver
driver=webdriver.Chrome(r"C:\Users\su2ny\Downloads\chromedriver_win32\chromedriver.exe")
```

In [27]:
```
#Opening the naukri page on automated chrome brower
driver.get('https://www.naukri.com/')
```

Now we will download the webDriver for the Web Browser.Steps for download are- 1.check the version of your browser 2.go to the link https://chromedriver.chromium.org/downloads 3.Download the webdriver for your version of your browser.

In [28]:
```
# entering designation and location as required in the question-

designation=driver.find_element(By.CLASS_NAME,"suggestor-input ")
designation.send_keys('Data Analyst')
```

In [29]:
```
location=driver.find_element(By.XPATH,"/html/body/div[1]/div[6]/div/div/div[5]/div/div/div/input")
location.send_keys('Banglore')
```

In [30]:
```
search=driver.find_element(By.XPATH,"/html/body/div[1]/div[6]/div/div/div[6]")
search.click()
```

In [31]:
```
job_title=[]
job_location=[]
company_name=[]
experience_required=[]
```

In [32]:
```
# scraping job title from the given page
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)

# scraping job location from the given page
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)

# scraping company name from the given page
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)

#scraping job experience from the given page
experience_tags=driver.find_elements(By.XPATH,'//span[@class="ellipsis fleft expwdth"]')
for i in experience_tags[0:10]:
    exp=i.text
    experience_required.append(exp)
```

In [33]:
```
print(len(job_title),len(job_location),len(company_name),len(experience_required))
```

```
0 0 0 0
```

In [34]:
```
import pandas as pd
df=pd.DataFrame({'title':job_title,'location':job_location,'company_name':company_name,'experience':experience_required})
df
```

Out[34]:

title	location	company_name	experience

In [35]:
```
# to fetcg the url -
url=driver.find_elements(By.XPATH,'//a[@class="title ellipsis"]')
url[0:10]
```

Out[35]:
```
[]
```

In [36]:
```
# Lets provide range to print only top 10 data
for i in url[0:10]:
    print(i.get_attribute('href'))
```

In [37]:
```
job_titles=[]
```

In [38]:
```
start=0
end=2
for page in range(start,end):
    title=driver.find_elements(By.XPATH,"//a[@class='title fw500 ellipsis']")
    for i in title [0:10]:
        job_title.append(i.text)

    next_button=driver.find_elements(By.XPATH,"//a[@class='1lkt03']")
```

In [39]:
```
len(job_titles)
```

Out[39]:
```
0
```

In [40]:
```
job_titles
```

Out[40]:
```
[]
```

In [ ]: