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Not Trusted Python 3 (ipykernel) O

```
In [2]: from selenium import webdriver
from webdriver_manager.chrome import ChromeDriverManager
from selenium.webdriver.common.by import By
import pandas as pd
import time
```

Title and Link

```
In [12]: # driver=webdriver.Chrome(executable_path="C:\\BrowserDrivers\\chromedriver.exe")
# driver.get("https://www.naukri.com/data-science-and-analyst-jobs?k=data%20science%20and%20analyst&nignbevent_src=jobsearchDesk
# job_elements = driver.find_elements(By.CLASS_NAME,"title ellipsis")
# for i in job_elements:
#     print(i.text)
# print(len(job_elements))
driver=webdriver.Chrome(executable_path="C:\\BrowserDrivers\\chromedriver.exe")
driver.get("https://www.naukri.com/data-science-and-analyst-jobs?k=data%20science%20and%20analyst&nignbevent_src=jobsearchDeskGNE")
job_elements = driver.find_elements(By.TAG_NAME, 'a')
job_desc=[]
for i in job_elements:
    if i.get_attribute('class')=="title ellipsis":
        job_desc.append([i.text,i.get_attribute('href')])
driver.close()
C:\Users\chaitu\AppData\Local\Temp\ipykernel_8420\4056805694.py:7: DeprecationWarning: executable_path has been deprecated, please pass in a Service object
    driver=webdriver.Chrome(executable_path="C:\\BrowserDrivers\\chromedriver.exe")
```

```
In [14]: len(job_desc)
Out[14]: 20
```

```
In [17]: driver=webdriver.Chrome(executable_path="C:\\BrowserDrivers\\chromedriver.exe")
driver.get("https://www.naukri.com/data-science-and-analyst-jobs?k=data%20science%20and%20analyst&nignbevent_src=jobsearchDesk
page_2=driver.find_elements(By.TAG_NAME, 'a')
for i in page_2:
    if i.get_attribute('class')=="title ellipsis":
        job_desc.append([i.text,i.get_attribute('href')])
driver.close()
C:\Users\chaitu\AppData\Local\Temp\ipykernel_8420\4041286476.py:1: DeprecationWarning: executable_path has been deprecated, please pass in a Service object
    driver=webdriver.Chrome(executable_path="C:\\BrowserDrivers\\chromedriver.exe")
```

```
In [18]: len(job_desc)
Out[18]: 40
```

```
In [19]: job_desc
['Senior Analyst - Data Science',
 'https://www.naukri.com/job-listings-senior-analyst-data-science-huquo-consulting-gurgaon-gurugram-2-to-5-years-28032390527
 6'],
 ['Business Analyst - Data Science',
 'https://www.naukri.com/job-listings-business-analyst-data-science-huquo-consulting-pvt-ltd-gurgaon-gurugram-4-to-6-years-2
 701239009131'],
 ['HEOR Data Analyst Role - SAS/SQL - Life Sciences',
 'https://www.naukri.com/job-listings-heor-data-analyst-role-sas-sql-life-sciences-huquo-consulting-pvt-ltd-noida-4-to-9-yea
 rs-250323900013'],
 ['Analyst - Data Science - Python/Machine Learning/Analytics',
 'https://www.naukri.com/job-listings-analyst-data-science-python-machine-learning-analytics-huquo-consulting-pvt-ltd-gurgao
 n-gurugram-4-to-6-years-240323909861'],
 ['Analyst, Data Science',
 'https://www.naukri.com/job-listings-analyst-data-science-mondel-z-international-mumbai-1-to-4-years-240223500517'],
 ['Senior Analyst Data Science',
 'https://www.naukri.com/job-listings-senior-analyst-data-science-accenture-bangalore-bengaluru-5-to-8-years-240123906166'],
 ['Business & Data Science Analyst',
 'https://www.naukri.com/job-listings-business-data-science-analyst-bairesdev-llc-remote-3-to-6-years-230323500141'],
 ['Sr. Analyst, Analytics and Data Science',
 'https://www.naukri.com/job-listings-sr-analyst-analytics-and-data-science-transunion-software-services-nvt-ltd-mumbai-chen...']
```

Work Experience

```
In [21]: from selenium.common.exceptions import NoSuchElementException
a=[]
k=0
for i in job_desc:
    driver=webdriver.Chrome(executable_path='C:\\BrowserDrivers\\chromedriver.exe')
    driver.get(i[1])
    try:
        exp_name=driver.find_element(By.CSS_SELECTOR, "div[class='exp'] span")
        a.append(exp_name.text)
    except NoSuchElementException:
        class_name=driver.find_element(By.CLASS_NAME, "slide-meta-exp")
        a.append(class_name.text)
    driver.close()
C:\Users\chaitu\AppData\Local\Temp\ipykernel_8420\1320582177.py:5: DeprecationWarning: executable_path has been deprecated, please pass in a Service object
    driver=webdriver.Chrome(executable_path='C:\\BrowserDrivers\\chromedriver.exe')
```

```
In [23]: k=0
for i in a:
    job_desc[k].append(i)
    k=k+1
```

```
In [24]: job_desc
Out[24]: [['Sagacious IP is hiring Patent Analyst For Life Sciences team',
 'https://www.naukri.com/job-listings-sagacious-ip-is-hiring-patent-analyst-for-life-sciences-team-sagacious-ip-gurgaon-guru
 gram-0-to-1-years-210423006737',
 '0 - 1 years'],
 ['Analyst- Data Science',
 'https://www.naukri.com/job-listings-analyst-data-science-united-airlines-gurgaon-gurugram-1-to-3-years-170423002105'],
```

```
'1 - 3 years'],
['Cognizant Hiring- TL Content Analysis- Data Science- Hyderabad.'],
['https://www.naukri.com/job-listings-cognizant-hiring-tl-content-analysis-data-science-hyderabad-cognizant-hyderabad-second
erabad-8-to-12-years-240323011344'],
['8 - 12 years'],
['Analyst - Data Science'],
['https://www.naukri.com/job-listings-analyst-data-science-visa-inc-mumbai-2-to-4-years-120423501502'],
['2 - 4 years'],
['Senior Modeling Analyst - Data Science'],
['https://www.naukri.com/job-listings-senior-modeling-analyst-data-science-risk-management-solutions-rms-noida-1-to-4-years-
110123009347'],
['1 - 4 years'],
['senior Analyst - Data Science'],
['https://www.naukri.com/job-listings-senior-modeling-analyst-data-science-risk-management-solutions-rms-noida-1-to-4-years-
110123009347']
```

Salary

```
In [25]: a=[]
driver=webdriver.Chrome(executable_path='C:\\BrowserDrivers\\chromedriver.exe')
driver.get('https://www.naukri.com/data-science-and-analyst-jobs?k=data%20science%20and%20analyst&nignbevent_src=jobsearchDeskGN
salary=driver.find_elements(By.TAG_NAME,'span')
for i in salary:
    if i.get_attribute('class')=="ellipsis left ":
        a.append(i.text)
driver.close()
driver=webdriver.Chrome(executable_path='C:\\BrowserDrivers\\chromedriver.exe')
driver.get('https://www.naukri.com/data-science-and-analyst-jobs-2?k=data%20science%20and%20analyst&nignbevent_src=jobsearchDesk
salary=driver.find_elements(By.TAG_NAME,'span')
for i in salary:
    if i.get_attribute('class')=="ellipsis left ":
        a.append(i.text)
driver.close()
C:\Users\chaitu\AppData\Local\Temp\ipykernel_8420\1589804530.py:2: DeprecationWarning: executable_path has been deprecated, ple
ase pass in a Service object
    driver=webdriver.Chrome(executable_path='C:\\BrowserDrivers\\chromedriver.exe')
C:\Users\chaitu\AppData\Local\Temp\ipykernel_8420\1589804530.py:9: DeprecationWarning: executable_path has been deprecated, ple
ase pass in a Service object
    driver=webdriver.Chrome(executable_path='C:\\BrowserDrivers\\chromedriver.exe')

In [28]: k=0
for i in a:
    job_desc[k].append(i)
    k=k+1

In [29]: job_desc
```

Out[29]: [[{'Sagacious IP is hiring Patent Analyst For Life Sciences team',
 'https://www.naukri.com/job-listings-sagacious-ip-is-hiring-patent-analyst-for-life-sciences-team-sagacious-ip-gurgaon-guru
 gram-0-to-1-years-210423006737',
 '0 - 1 years',
 'Not disclosed'],
 ['Analyst - Data Science',
 'https://www.naukri.com/job-listings-analyst-data-science-united-airlines-gurgaon-gurugram-1-to-3-years-170423002105',
 '1 - 3 years',
 'Not disclosed'],
 ['Cognizant Hiring- TL Content Analysis- Data Science- Hyderabad.'],
 ['https://www.naukri.com/job-listings-cognizant-hiring-tl-content-analysis-data-science-hyderabad-cognizant-hyderabad-second
 erabad-8-to-12-years-240323011344'],
 '8 - 12 years',
 'Not disclosed'],
 ['Analyst - Data Science',
 'https://www.naukri.com/job-listings-analyst-data-science-visa-inc-mumbai-2-to-4-years-120423501502',
 '2 - 4 years',
 'Not disclosed'],
 ['Senior Modeling Analyst - Data Science'],
 ['https://www.naukri.com/job-listings-senior-modeling-analyst-data-science-risk-management-solutions-rms-noida-1-to-4-years-
 110123009347'],
 '1 - 4 years'],
 ['senior Analyst - Data Science'],
 ['https://www.naukri.com/job-listings-senior-modeling-analyst-data-science-risk-management-solutions-rms-noida-1-to-4-years-
 110123009347']]]

Location| Education | KeySkills

```
In [30]: driver=webdriver.Chrome(executable_path="C:\\BrowserDrivers\\chromedriver.exe")
driver.get("https://www.naukri.com/naukri-jobs?glbl_qcrc=1028")
loc_edu_ks=[]
for i in job_desc[20]:
    driver=webdriver.Chrome(executable_path='C:\\BrowserDrivers\\chromedriver.exe')
    driver.get(i[1])
    try:
        #location
        loc_xpath=driver.find_element(By.XPATH,"//span[@class='location ']")
        #education
        edu_elements = driver.find_elements(By.CSS_SELECTOR,'div[class="education"] span')
        edu=[i.text for i in edu_elements]
        #keyskill of click and nonclick
        keyskill_click=driver.find_elements(By.XPATH,"//a[@class='chip clickable']")
        keyskill_nonclick=driver.find_elements(By.CSS_SELECTOR,"a[class='chip non-clickable']")
        ks1=[i.text for i in keyskill_click]
        ks2=[i.text for i in keyskill_nonclick]
        ks=ks1+ks2
        ks="/".join([i for i in ks])
        loc_edu_ks.append([loc_xpath.text,edu,ks])
    except NoSuchElementException:
        location=driver.find_element(By.CLASS_NAME,"cityLinks")
        edu1=driver.find_element(By.CSS_SELECTOR,"p[class='coPE getUGCourse'] span")
        edu2=driver.find_element(By.CSS_SELECTOR,"p[class='coPE getPGCourse'] span")
        keys_skills=driver.find_elements(By.CLASS_NAME,'clickable')
        ks=[i.text for i in keys_skills]
        ks="/".join([i for i in ks])
        loc_edu_ks.append([location.text,[edu1.text,edu2.text],ks])
    driver.close()

C:\Users\chaitu\AppData\Local\Temp\ipykernel_8420\1448893662.py:1: DeprecationWarning: executable_path has been deprecated, ple
ase pass in a Service object
    driver=webdriver.Chrome(executable_path="C:\\BrowserDrivers\\chromedriver.exe")
C:\Users\chaitu\AppData\Local\Temp\ipykernel_8420\1448893662.py:5: DeprecationWarning: executable_path has been deprecated, ple
ase pass in a Service object
    driver=webdriver.Chrome(executable_path='C:\\BrowserDrivers\\chromedriver.exe')
```

```
In [31]: loc_edu_ks
```

```
Out[31]: [[[Gurgaon/Gurugram',
   ['B.Pharma in Pharmacy, B.Tech/B.E. in Bio-Chemistry/Bio-Technology, B.Sc in Bio-Chemistry',
   'MS/M.Sc(Science) in Biotechnology, Bio-Chemistry, M.Pharma in Pharmacy, M.Tech in Bio-Chemistry/Bio-Technology'],
   ['FTO/Prior Art Search/infringement/Invalidity Search/patentability searches'],
   ['Gurgaon/Gurugram']]
```

```

['Any Graduate'],
['Data Science/Machine Learning/sql/Python'],
['Hyderabad/Secunderabad',
['Any Graduate'],
['data analysis/data science/content analysis/quality initiatives'],
['Mumbai'],
['Any Graduate', 'Any Postgraduate'],
['Computer science/C++/orchestration/Linux/data science/Coding/Project documentation/Manager Quality Control/Open source/Python'],
['Noida'],
['Any Graduate'],
['machine learning/Python/SQL/artificial intelligence'],
['Gurgaon/Gurugram'],
['B.Tech/B.E. in Any Specialization',
'MBA/PGDM in Any Specialization',
'Doctorate Not Required'],
['Data Science/SAS/Tableau/Machine Learning/Statistics/Analytics/Python/SQL'],
['Gurgaon/Gurugram'],
['B.Tech/B.E. in Any Specialization',
'MBA/PGDM in Any Specialization',
'Doctorate Not Required'],
['Data Science/Tableau/Machine Learning/Statistics/Analytics/Python/SQL'],
['PAN India'],
['Any Graduate'],
['Life Sciences/Power Bi/Data Analytics/SQL/Python/R/Tableau'],
['Gurgaon/Gurugram'],
['B.Tech/B.E. in Any Specialization',
'M.Tech in Any Specialization, MCA in Any Specialization',
'Doctorate Not Required'],
['Data Science/Logistic Regression/Linear Regression/Statistical Modeling/Machine Learning/Analytics/Python/SQL/Decision Tree'],
['Gurgaon/Gurugram'],
['B.Tech/B.E. in Any Specialization',
'MBA/PGDM in Any Specialization',
'Doctorate Not Required'],
['Data Science/Tableau/Machine Learning/Statistics/Analytics/Python/SQL'],
['Gurgaon/Gurugram'],
['B.Tech/B.E. in Any Specialization',
'MBA/PGDM in Any Specialization',
'Doctorate Not Required'],
['Data Science/SAS/Tableau/Machine Learning/Statistics/Analytics/Python/SQL'],
['Gurgaon/Gurugram'],
['BCA in Any Specialization, B.Sc in Any Specialization, B.Tech/B.E. in Any Specialization',
'Any Postgraduate',
'Doctorate Not Required'],
['Business Analysis/Data Science/MVP/Systems Gap Analysis'],
['Noida'],
['B.A in Economics', 'M.A in Economics', 'Doctorate Not Required'],
['Data Analysis/Hive/R/tableau/Power BI/Big data/Tableau/Spark/SQL'],
['Gurgaon/Gurugram'],
['B.Tech/B.E. in Any Specialization',
'MCA in Any Specialization, M.Tech in Any Specialization',
'Doctorate Not Required'],
['Machine Learning/Data Science/Logistic Regression/Linear Regressions/Statistical Modeling/SVM/Data Analytics/Analytics/Python/SQL/Decision Tree/Random Forests'],
['Mumbai'],
['Any Graduate', 'Any Postgraduate'],
['Data analysis/C++/SAS/Data management/Coding/Javascript/Business intelligence/Forecasting/Analytics/SQL'],
['Bangalore/Bengaluru'],
['Any Graduate', 'Any Postgraduate'],
['Predictive modeling/Data mining/Analytics/Python/Architecture/data science/Machine learning'],
['Remote'],
['Any Graduate', 'Any Postgraduate'],
['Automation/data science/Senior Analyst/Data modeling/Research/Business intelligence/Analytics'],
['Mumbai', 'Chennai'],
['Any Graduate', 'Any Postgraduate'],
['global operations/Data analysis/Automation/Staffing/Data quality/Operations/Analytics/SQL/Capacity planning/Python'],
['Mumbai', 'Chennai'],
['Any Graduate', 'Any Postgraduate'],
['global operations/Data analysis/Automation/Staffing/Data quality/Operations/Analytics/SQL/Capacity planning/Python'],
['Pune'],
['Any Graduate',
'MBA/PGDM in Any Specialization, MS/M.Sc(Science) in Any Specialization, Any Postgraduate'],
['Analyst/Data analysis/Sales planning/Networking/data science/Solution consulting/Financial services/Analytics/Monitoring/Python']]
```

```
In [42]: for i in job_desc[20]:
    driver=webdriver.Chrome(executable_path='C:\\BrowserDrivers\\chromedriver.exe')
    driver.get(i[1])
    try:
        #location
        loc_xpath=driver.find_element(By.XPATH,"//span[@class='location ']")
        #education
        edu_elements = driver.find_elements(By.CSS_SELECTOR,'div[class="education"] span')
        edu=i.text for i in edu_elements
        #keyskill of click and nonclick
        keyskill_click=driver.find_elements(By.XPATH,"//a[@class='chip clickable']")
        keyskill_nonclick=driver.find_elements(By.CSS_SELECTOR,"a[class='chip non-clickable']")
        ks1=[i.text for i in keyskill_click]
        ks2=[i.text for i in keyskill_nonclick]
        ks=ks1+ks2
        ks="/".join([i for i in ks])
        loc_edu_ks.append([loc_xpath.text,edu,ks])
    except NoSuchElementException:
        location=driver.find_element(By.CLASS_NAME,"cityLinks")
        edu1=driver.find_element(By.CSS_SELECTOR,"p[class='coPE_getUGCourse'] span")
        edu2=driver.find_element(By.CSS_SELECTOR,"p[class='coPE_getPGCourse'] span")
        keys_skills=driver.find_elements(By.CLASS_NAME,'clickable')
        ks=[i.text for i in keys_skills]
        ks="/".join([i for i in ks])
        loc_edu_ks.append([location.text,[edu1.text,edu2.text],ks])
    driver.close()

C:\Users\chaitu\AppData\Local\Temp\ipykernel_8420\1037657674.py:2: DeprecationWarning: executable_path has been deprecated, please pass in a Service object
    driver=webdriver.Chrome(executable_path='C:\\BrowserDrivers\\chromedriver.exe')
```

```
In [43]: len(loc_edu_ks)
```

```
Out[43]: 40
```

```
In [44]: loc_edu_ks
```

```
Out[44]: [[['Gurgaon/Gurugram',
['B.Pharma in Pharmacy, B.Tech/B.E. in Bio-Chemistry/Bio-Technology, B.Sc in Bio-Chemistry',
'MS/M.Sc(Science) in Biotechnology, Bio-Chemistry, M.Pharma in Pharmacy, M.Tech in Bio-Chemistry/Bio-Technology'],
'FTO/Prior Art Search/Infringement/Invalidity Search/patentability searches'],
['Gurgaon/Gurugram',
```

```

['Any Graduate'],
['Data Science/Machine Learning/sql/Python'],
['Hyderabad/Secunderabad',
['Any Graduate'],
['data analysis/data science/content analysis/quality initiatives'],
['Mumbai'],
['Any Graduate', 'Any Postgraduate'],
['Computer science/C++/orchestration/Linux/data science/Coding/Project documentation/Manager Quality Control/Open source/Pyton'],
['Noida'],
['Any Graduate'],
['machine learning/Python/SQL/artificial intelligence'],
['Gurgaon/Gurugram'],
['B.Tech/B.E. in Any Specialization'],

```

In [35]: job_desc

```

Out[35]: [[{'Sagacious IP is hiring Patent Analyst For Life Sciences team',
  'https://www.naukri.com/job-listings-sagacious-ip-is-hiring-patent-analyst-for-life-sciences-team-sagacious-ip-gurgaon-guru',
  'gram-0-to-1-years-210423006737',
  '0 - 1 years',
  'Not disclosed'],
  {'Analyst- Data Science',
  'https://www.naukri.com/job-listings-analyst-data-science-united-airlines-gurgaon-gurugram-1-to-3-years-170423002105',
  '1 - 3 years',
  'Not disclosed'],
  {'Cognizant Hiring- TL Content Analysis- Data Science- Hyderabad.',
  'https://www.naukri.com/job-listings-cognizant-hiring-tl-content-analysis-data-science-hyderabad-cognizant-hyderabad-secund',
  'erabad-8-to-12-years-240323011344',
  '8 - 12 years',
  'Not disclosed'],
  {'Analyst - Data Science',
  'https://www.naukri.com/job-listings-analyst-data-science-visa-inc-mumbai-2-to-4-years-120423501502',
  '2 - 4 years',
  'Not disclosed'],
  {'Senior Modeling Analyst - Data Science',
  'https://www.naukri.com/job-listings-senior-mod...'}]

```

```

In [45]: k=0
for i in loc_edu_ks:
    job_desc[k].append(i[0])
    job_desc[k].append(i[1])
    job_desc[k].append(i[2])
    k=k+1

```

```

In [50]: import pandas as pd
df=pd.DataFrame(job_desc,columns=["Name","Link","Work Experience","Salary","Location","Education","KeySkills"])
df

```

	Name	Link	Work Experience	Salary	Location	Education	KeySkills
0	Sagacious IP is hiring Patent Analyst For Life...	https://www.naukri.com/job-listings-sagacious-...	0 - 1 years	Not disclosed	Gurgaon/Gurugram	[B Pharma in Pharmacy, B.Tech/B.E. in Bio-Chem...	FTO/Prior Art Search/infringement/Invalidity S...
1	Analyst- Data Science	https://www.naukri.com/job-listings-analyst-da...	1 - 3 years	Not disclosed	Gurgaon/Gurugram	[Any Graduate]	Data Science/Machine Learning/sql/Python
2	Cognizant Hiring- TL Content Analysis- Data Sc...	https://www.naukri.com/job-listings-cognizant-...	8 - 12 years	Not disclosed	Hyderabad/Secunderabad	[Any Graduate]	data analysis/data science/content analysis/qu...
3	Analyst - Data Science	https://www.naukri.com/job-listings-analyst-da...	2 - 4 years	Not disclosed	Mumbai	[Any Graduate, Any Postgraduate]	Computer science/C++/orchestration/Linux/data ...
4	Senior Modeling Analyst - Data Science	https://www.naukri.com/job-listings-senior-mod...	1 - 4 years	Not disclosed	Noida	[Any Graduate]	machine learning/Python/SQL/artificial intelli...

```

In [65]: def upper(row):
    a=[]
    for i in row.split('/'):
        a.append(i.lower())
    return "/".join([i for i in a])
df["KeySkills"] = df.apply(lambda row : upper(row['KeySkills']), axis = 1)

```

In [67]: df

	Name	Link	Work Experience	Salary	Location	Education	KeySkills
0	Sagacious IP is hiring Patent Analyst For Life...	https://www.naukri.com/job-listings-sagacious-...	0 - 1 years	Not disclosed	Gurgaon/Gurugram	[B Pharma in Pharmacy, B.Tech/B.E. in Bio-Chem...	fto/prior art search/infringement/invalidity s...
1	Analyst- Data Science	https://www.naukri.com/job-listings-analyst-da...	1 - 3 years	Not disclosed	Gurgaon/Gurugram	[Any Graduate]	data science/machine learning/sql/python
2	Cognizant Hiring- TL Content Analysis- Data Sc...	https://www.naukri.com/job-listings-cognizant-...	8 - 12 years	Not disclosed	Hyderabad/Secunderabad	[Any Graduate]	data analysis/data science/content analysis/qu...
3	Analyst - Data Science	https://www.naukri.com/job-listings-analyst-da...	2 - 4 years	Not disclosed	Mumbai	[Any Graduate, Any Postgraduate]	computer science/c++/orchestration/linux/data ...
4	Senior Modeling Analyst - Data Science	https://www.naukri.com/job-listings-senior-mod...	1 - 4 years	Not disclosed	Noida	[Any Graduate]	machine learning/python/sql/artificial intelli...

```

In [74]: # min years
min_years=[]
max_years=[]
for i in df['Work Experience']:
    b=i.split()
    b=[i for i in b if i.isdigit()]
    min_years.append(b[0])
    max_years.append(b[1])

```

```

In [75]: df["min_years"] = min_years
df["max_years"] = max_years

```

```

In [76]: # df.to_csv("C:\\\\Users\\\\chaitu\\\\Desktop\\\\Webscraping\\\\Naukri\\\\Data Science and Analytics")

```

	Name	Link	Work Experience	Salary	Location	Education	KeySkills
0	Sagacious IP is hiring Patent Analyst For Life...	https://www.naukri.com/job-listings-sagacious-...	0 - 1 years	Not disclosed	Gurgaon/Gurugram	[B Pharma in Pharmacy, B.Tech/B.E. in Bio-Chem...	fto/prior art search/infringement/invalidity s...

	Analyst For Life...	listings-sagacious...	1 - 3 years	disclosed	Gurgaon/Gurugram	B.Tech/B.E. in Bio-Chem...	data science/machine learning/sql/python
1	Analyst- Data Science	https://www.naukri.com/job-listings-analyst-da...	1 - 3 years	Not disclosed	Gurgaon/Gurugram	[Any Graduate]	data science/machine learning/sql/python
2	Cognizant Hiring- TL Content Analysis- Data Sc...	https://www.naukri.com/job-listings-cognizant-...	8 - 12 years	Not disclosed	Hyderabad/Secunderabad	[Any Graduate]	data analysis/data science/content analysis/qu...
3	Analyst - Data Science	https://www.naukri.com/job-listings-analyst-da...	2 - 4 years	Not disclosed	Mumbai	[Any Graduate, Any Postgraduate]	computer science/c++/orchestration/linux/data ...
4	Senior Modeling Analyst - Data Science	https://www.naukri.com/job-listings-senior-mod...	1 - 4 years	Not disclosed	Noida	[Any Graduate]	machine learning/python/sql/artificial intelli...

```
In [105]: undergraduate=[]
for i in df["Education"]:
    if i[0]!="Any Graduate":
        a=[j for j in i[0].split() if j[0]=="B"]
        a=".".join([i for i in a])
        undergraduate.append(a)
    else:
        undergraduate.append(i[0])
print(undergraduate)
print(len(undergraduate))

['B.Pharma/B.Tech/B.E./Bio-Technology/B.Sc/Bio-Chemistry', 'Any Graduate', 'Any Graduate', 'Any Graduate', 'B.Tech/B.E.', 'B.Tech/B.E.', 'B.Tech/B.E.', 'B.Tech/B.E.', 'BCA/B.Sc/B.Tech/B.E.', 'B.A', 'B.Tech/B.E.', 'Any Graduate', 'BCA/B.Sc/B.A/B.Tech/B.E.', 'B.A/BCA/B.Sc/B.Tech/B.E.', 'Any Graduate', 'Any Graduate', 'Any Graduate', 'Any Graduate', 'BCA/B.Sc/B.A/B.Tech/B.E.', 'B.A/BCA/B.Sc/B.Tech/B.E.', 'Any Graduate', 'Any graduate']
40
```

```
In [104]: postgraduate=[]
for i in df["Education"]:
    if len(i)>1:
        if i[1]!="Any Postgraduate":
            a=[j for j in i[1].split() if j[0]=="M"]
            a=".".join([i for i in a])
            postgraduate.append(a)
        else:
            postgraduate.append("Not Disclosed")
print(postgraduate)
print(len(postgraduate))

['MS/M.Sc(Science)/M.Pharma/M.Tech', 'Not Disclosed', 'Not Disclosed', 'Any Postgraduate', 'Not Disclosed', 'MBA/PGDM', 'MBA/PGDM', 'Not Disclosed', 'M.Tech/MCA', 'MBA/PGDM', 'Any Postgraduate', 'M.A', 'MCA/M.Tech', 'Any Postgraduate', 'Any Postgraduate', 'Any Postgraduate', 'MBA/PGDM/MS/M.Sc(Science)', 'Any Postgraduate', 'MBA/PGDM', '', 'Any Postgraduate', 'MCA/MS/M.Sc(Science)', 'Any Postgraduate', 'MCA/M.Tech', 'Any Postgraduate', 'MBA/PGDM', 'MBA/PGDM', 'Any Postgraduate']
40
```

```
In [106]: df[["undergraduate"]]=undergraduate
df[["postgraduate"]]=postgraduate
```

```
In [107]: df
```

	Name	Link	Work Experience	Salary	Location	Education	KeySkills
0	Sagacious IP is hiring Patent Analyst For Life...	https://www.naukri.com/job-listings-sagacious-...	0 - 1 years	Not disclosed	Gurgaon/Gurugram	[B.Pharma in Pharmacy, B.Tech/B.E. in Bio-Chem...]	fto/prior art search/infringement/invalidity s...
1	Analyst- Data Science	https://www.naukri.com/job-listings-analyst-da...	1 - 3 years	Not disclosed	Gurgaon/Gurugram	[Any Graduate]	data science/machine learning/sql/python
2	Cognizant Hiring- TL Content Analysis- Data Sc...	https://www.naukri.com/job-listings-cognizant-...	8 - 12 years	Not disclosed	Hyderabad/Secunderabad	[Any Graduate]	data analysis/data science/content analysis/qu...
3	Analyst - Data Science	https://www.naukri.com/job-listings-analyst-da...	2 - 4 years	Not disclosed	Mumbai	[Any Graduate, Any Postgraduate]	computer science/c++/orchestration/linux/data ...
4	Senior Modeling Analyst - Data Science	https://www.naukri.com/job-listings-senior-mod...	1 - 4 years	Not disclosed	Noida	[Any Graduate]	machine learning/python/sql/artificial intelli...

```
In [109]: df.to_csv("C:\\\\Users\\\\chaitu\\\\Desktop\\\\WebScraping\\\\Naukri\\\\Data Science and Analytics.csv",index=False)
```

```
In [ ]:
```