

In [25]:

```
import pandas as pd
import re
```

In [26]:

```
resumes = pd.read_csv('resumes_req.csv')
job_requirements = pd.read_csv('jobs_req.csv')
```

In [27]:

```
skills = ['python', 'sql', 'machine learning', 'data analysis', 'statistics']
keywords = ['data scientist', 'data analysis', 'machine learning', 'statistics']
```

In [28]:

```
def score_resume(resume_text):
    # Convert the resume text to Lowercase
    resume_text = resume_text.lower()

    # Calculate the number of matching skills and keywords
    num_skills = sum(1 for skill in skills if re.search(skill, resume_text))
    num_keywords = sum(1 for keyword in keywords if re.search(keyword, resume_text))

    # Return the total score
    return num_skills + num_keywords
```

In [29]:

```
resumes['score'] = resumes['Resume'].apply(score_resume)
```

In [31]:

```
matches = job_requirements[job_requirements['Resume'].str.contains('|'.join(keywords))]
matched_resumes = pd.merge(matches, resumes, on='Resume', how='left')
```

In [32]:

```
matched_resumes.sort_values(by='score', ascending=False, inplace=True)
```

In [34]:

```
print(matched_resumes[['Resume', 'score', 'Resume']].head(10))
```

	Resume	score	\
10	Skills ÃÃÃ Python ÃÃÃ Tableau ÃÃÃ Dat...	6	
11	Skills ÃÃÃ Python ÃÃÃ Tableau ÃÃÃ Dat...	6	
8	Skills ÃÃÃ Python ÃÃÃ Tableau ÃÃÃ Dat...	6	
9	Skills ÃÃÃ Python ÃÃÃ Tableau ÃÃÃ Dat...	6	
18	Education Details \r\nMay 2013 to May 2017 B.E...	4	
17	Education Details \r\nMay 2013 to May 2017 B.E...	4	
16	Education Details \r\nMay 2013 to May 2017 B.E...	4	
15	Education Details \r\n B.Tech Rayat and Bahr...	4	
14	Education Details \r\n B.Tech Rayat and Bahr...	4	
13	Education Details \r\n B.Tech Rayat and Bahr...	4	

	Resume
10	Skills ÃÃÃ Python ÃÃÃ Tableau ÃÃÃ Dat...
11	Skills ÃÃÃ Python ÃÃÃ Tableau ÃÃÃ Dat...
8	Skills ÃÃÃ Python ÃÃÃ Tableau ÃÃÃ Dat...
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18	Education Details \r\nMay 2013 to May 2017 B.E...
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16	Education Details \r\nMay 2013 to May 2017 B.E...
15	Education Details \r\n B.Tech Rayat and Bahr...
14	Education Details \r\n B.Tech Rayat and Bahr...
13	Education Details \r\n B.Tech Rayat and Bahr...

In []: