Jawan Tech.Pakistan

**#Data science course** 

#Assignment no.3

Data set Netflix\_titles

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```
In [1]: # LOC, ILOC | GROUPBY
          # JAWAN TECH.PK
          # DATA SCIENCE COURSE ASSIGNMENT NO. ##_ 03
          # NAME AHSAN JABBAR
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In [2]: import pandas as pd
          import numpy as np
In [3]: data = pd.read_csv("netflix_titles.csv")
In [4]: data.head()
Out[4]:
                                        title
                                               director
                                                                            country
                                                                                      date_added release_year rating duration
                                                                                                                                               listed_in
               show_id
                          type
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                                                                                                                                                               description
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                                                             Sami Bouajila,
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TV-

MA

Season

2021

and toilet talk go

down amo..

TV

3

s4 Show New Orleans

Jailbirds

NaN

NaN

```
In [13]: #Sir particular column ma value nahi a rahi
           arr = data.loc[1 , "cast"].split()
           d = len(arr)
           def set_cast (val):
                if val == d:
                     return "nan"
                else :
                     return "40"
In [14]: data["num_of_cast"] = data["cast"].apply(set_cast)
           data
Out[14]:
                                           title
                                                 director
                                                                  cast country date_added release_year rating duration
                                                                                                                                     listed_in
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```
In [15]: data.groupby("type")["rating"].value_counts()
Out[15]: type
                rating
        Movie
                TV-MA
                           2062
                TV-14
                          1427
                           797
                R
                TV-PG
                           540
                PG-13
                           490
                PG
                           287
                TV-Y7
                           139
                TV-Y
                            131
                TV-G
                           126
                NR
                            75
                G
                            41
                            5
                TV-Y7-FV
                            3
                NC-17
                UR
                             3
                            1
                66 min
                74 min
                             1
                84 min
                             1
        TV Show TV-MA
                          1145
                           733
                TV-14
                           323
                TV-PG
                TV-Y7
                           195
                TV-Y
                           176
                TV-G
                            94
                NR
                             5
                              2
                R
                TV-Y7-FV
                             1
```

Name: rating, dtype: int64