## I. Access dataset

import pandas as pd
import numpy as np
from sklearn.neighbors import NearestNeighbors

df = pd.read\_csv('/content/drive/MyDrive/MSBA\_Colab\_2020/ML\_Algorithms/movies\_recommendation\_data.csv')

df.head()

	Movie ID	Movie Name	IMDB Rating	Biography	Drama	Thriller	Comedy	Crime	Mystery	History	Label
0	58	The Imitation Game	8.0	1	1	1	0	0	0	0	0
1	8	Ex Machina	7.7	0	1	0	0	0	1	0	0
2	46	A Reautiful	8 2	1	1	Ο	Ω	n	0	0	0

df.info()

<class 'pandas.core.frame.DataFrame'>

RangeIndex: 30 entries, 0 to 29

Data columns (total 11 columns):

- 0. 0 0.	00-0		
#	Column	Non-Null Count	Dtype
0	Movie ID	30 non-null	int64
1	Movie Name	30 non-null	object
2	IMDB Rating	30 non-null	float64
3	Biography	30 non-null	int64
4	Drama	30 non-null	int64

```
Thriller
                 30 non-null
                                 int64
    Comedy
                 30 non-null
                                 int64
    Crime
                 30 non-null
                                 int64
                 30 non-null
    Mystery
                                 int64
    History
                 30 non-null
                                 int64
 10 Label
                  30 non-null
                                 int64
dtypes: float64(1), int64(9), object(1)
memory usage: 2.7+ KB
```

## II. Split the data to y and x

```
df.drop(columns=['Label','Movie ID'], inplace= True)

x = df.iloc[:, 1:].values
y = df.iloc[:, 0].values
```

## III. Set up the Method for Nearest Neighbor model

## IV. Apply the values and check the prediction

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