In [2]:
```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
```

In [3]:
```
df = pd.read_csv("C:\\Users\\Alvin Roy\\Downloads\\NetflixOriginals.csv", encoding=
df
```

Out[3]:

	Title	Genre	Premiere	Runtime	IMDB Score	Language
0	Enter the Anime	Documentary	August 5, 2019	58	2.5	English/Japanese
1	Dark Forces	Thriller	August 21, 2020	81	2.6	Spanish
2	The App	Science fiction/Drama	December 26, 2019	79	2.6	Italian
3	The Open House	Horror thriller	January 19, 2018	94	3.2	English
4	Kaali Khuhi	Mystery	October 30, 2020	90	3.4	Hindi
...	...	...	...	...	...	...
579	Taylor Swift: Reputation Stadium Tour	Concert Film	December 31, 2018	125	8.4	English
580	Winter on Fire: Ukraine's Fight for Freedom	Documentary	October 9, 2015	91	8.4	English/Ukranian/Russian
581	Springsteen on Broadway	One-man show	December 16, 2018	153	8.5	English
582	Emicida: AmarElo - It's All For Yesterday	Documentary	December 8, 2020	89	8.6	Portuguese
583	David Attenborough: A Life on Our Planet	Documentary	October 4, 2020	83	9.0	English

584 rows × 6 columns

In [4]:
```
df.info
```

Out[4]:
```
<bound method DataFrame.info of                                                 Title
Genre  \
0                                  Enter the Anime           Documentary
1                                      Dark Forces              Thriller
2                                          The App  Science fiction/Drama
3                                   The Open House       Horror thriller
4                                      Kaali Khuhi               Mystery
..                                             ...                   ...
579        Taylor Swift: Reputation Stadium Tour          Concert Film
580  Winter on Fire: Ukraine's Fight for Freedom           Documentary
581                        Springsteen on Broadway          One-man show
582    Emicida: AmarElo - It's All For Yesterday           Documentary
583     David Attenborough: A Life on Our Planet           Documentary

              Premiere  Runtime  IMDB Score                Language
0       August 5, 2019       58         2.5         English/Japanese
1      August 21, 2020       81         2.6                 Spanish
2    December 26, 2019       79         2.6                 Italian
3     January 19, 2018       94         3.2                 English
4     October 30, 2020       90         3.4                   Hindi
..                 ...      ...         ...                     ...
579  December 31, 2018      125         8.4                 English
580    October 9, 2015       91         8.4  English/Ukranian/Russian
581  December 16, 2018      153         8.5                 English
582   December 8, 2020       89         8.6              Portuguese
583    October 4, 2020       83         9.0                 English

[584 rows x 6 columns]>
```

In [5]:
```
df.describe
```

Out[5]:
```
<bound method NDFrame.describe of                                                Title
Genre  \
0                                  Enter the Anime            Documentary
1                                      Dark Forces               Thriller
2                                          The App  Science fiction/Drama
3                                   The Open House        Horror thriller
4                                      Kaali Khuhi                Mystery
..                                             ...                    ...
579        Taylor Swift: Reputation Stadium Tour           Concert Film
580  Winter on Fire: Ukraine's Fight for Freedom            Documentary
581                        Springsteen on Broadway           One-man show
582    Emicida: AmarElo - It's All For Yesterday            Documentary
583     David Attenborough: A Life on Our Planet            Documentary

               Premiere  Runtime  IMDB Score                 Language
0       August 5, 2019        58         2.5          English/Japanese
1      August 21, 2020        81         2.6                  Spanish
2    December 26, 2019        79         2.6                  Italian
3     January 19, 2018        94         3.2                  English
4     October 30, 2020        90         3.4                    Hindi
..                 ...       ...         ...                      ...
579  December 31, 2018       125         8.4                  English
580    October 9, 2015        91         8.4  English/Ukranian/Russian
581  December 16, 2018       153         8.5                  English
582   December 8, 2020        89         8.6               Portuguese
583    October 4, 2020        83         9.0                  English

[584 rows x 6 columns]>
```

In [6]:
```
df.isnull().sum()
```

Out[6]:
```
Title         0
Genre         0
Premiere      0
Runtime       0
IMDB Score    0
Language      0
dtype: int64
```

In [7]:
```
df.columns
```

Out[7]:
```
Index(['Title', 'Genre', 'Premiere', 'Runtime', 'IMDB Score', 'Language'], dtype
='object')
```

In [23]:
```
language=df['Language'].value_counts().sort_values(ascending=False)
language=language[:10]
language
```

Out[23]:
```
Language
English       401
Hindi          33
Spanish        31
French         20
Italian        14
Portuguese     12
Indonesian      9
Korean          6
Japanese        6
German          5
Name: count, dtype: int64
```

In [36]:
```
Genre=df["Genre"].value_counts().sort_values(ascending=False)
Genre=Genre[:10]
Genre
```

Out[36]:
```
Genre
Documentary        159
Drama               77
Comedy              49
Romantic comedy     39
Thriller            33
Comedy-drama        14
Crime drama         11
Biopic               9
Horror               9
Action               7
Name: count, dtype: int64
```

In [37]:
```
plt.plot(language,Genre)
plt.xlabel("Langauge Count")
plt.ylabel("Genre Count")
plt.title("Language vs Genre")
```

Out[37]:
```
Text(0.5, 1.0, 'Language vs Genre')
```