

In [12]:

```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
df=pd.read_csv("Netflix Data.csv")
print(df)
```

	Rating	Duration	Type \
0	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi &...
1	TV-MA	93 min	Dramas, International Movies
2	R	78 min	Horror Movies, International Movies
3	PG-13	80 min	Action & Adventure, Independent Movies, Sci-Fi...
4	PG-13	123 min	Dramas
...
7784	TV-MA	99 min	Dramas, International Movies
7785	TV-14	111 min	Dramas, International Movies, Music & Musicals
7786	TV-MA	44 min	Documentaries, International Movies, Music & M...
7787	TV-PG	1 Season	International TV Shows, Reality TV
7788	TV-MA	90 min	Documentaries, Music & Musicals

	Description
0	In a future where the elite inhabit an island ...
1	After a devastating earthquake hits Mexico Cit...
2	When an army recruit is found dead, his fellow...
3	In a postapocalyptic world, rag-doll robots hi...
4	A brilliant group of students become card-coun...
...	...

In [13]:

```
# Task. 1) Is there any Duplicate Record in this dataset ? If yes, then remove the duplicate records.
df.drop_duplicates(inplace = True) #to remove the duplicate rows permanantly
# df[df.duplicated()]
```

In [14]:

```
# Task. 2) Is there any Null Value present in any column ? Show with Heat-map.
df.isnull() #to show where null value is present
```

Out[14]:

	Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description
0	False	False	False	True	False	False	False	False	False	False	False
1	False	False	False	False	False	False	False	False	False	False	False
2	False	False	False	False	False	False	False	False	False	False	False
3	False	False	False	False	False	False	False	False	False	False	False
4	False	False	False	False	False	False	False	False	False	False	False
...
7784	False	False	False	False	False	False	False	False	False	False	False
7785	False	False	False	False	False	False	False	False	False	False	False
7786	False	False	False	True	False	True	False	False	False	False	False
7787	False	False	False	True	False	False	False	False	False	False	False
7788	False	False	False	False	True	False	False	False	False	False	False

7787 rows × 11 columns

In [15]:

```
df.isnull().sum() #to show the count of null values in each columns
```

Out[15]:

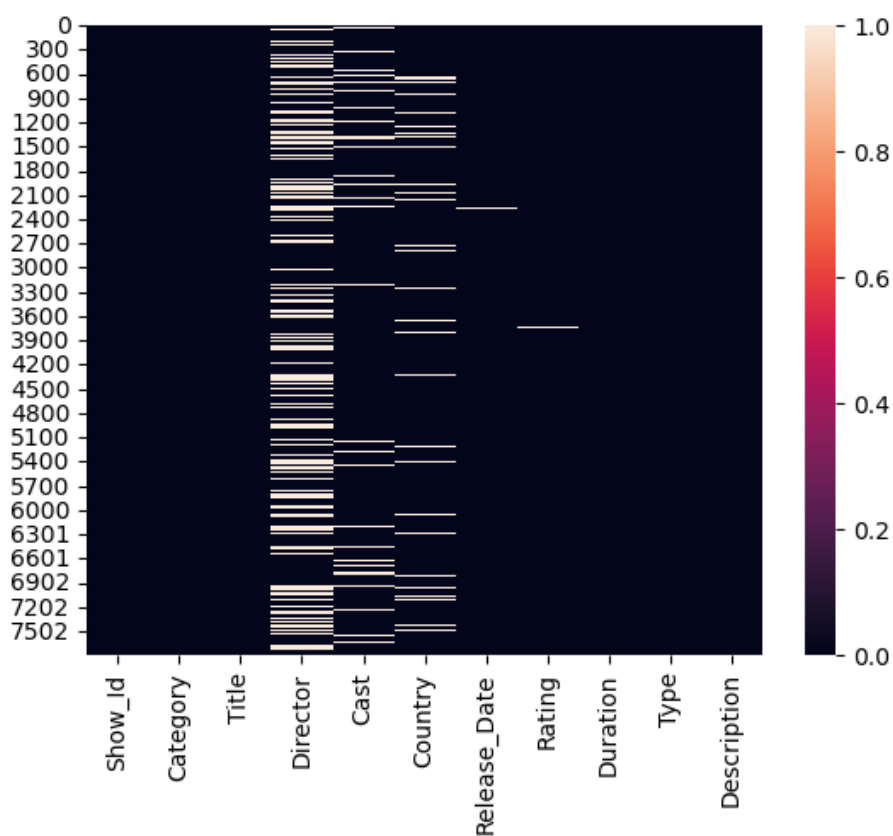
```
Show_Id      0
Category     0
Title        0
Director    2388
Cast        718
Country     507
Release_Date  10
Rating       7
Duration     0
Type        0
Description  0
dtype: int64
```

In [16]:

```
sns.heatmap(df.isnull()) #to import seaborn library using heatmap to show null values count
```

Out[16]:

<AxesSubplot:>



In [17]:

```
# Q. 1) For 'House of Cards', what is the Show Id and Who is the Director of this show ?
df[df['Title'].isin(['House of Cards'])] #to show all records of a particular item in any columns
```

Out[17]:

Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	
2832	s2833	TV Show	House of Cards	Robin Wright, David Fincher, Gerald McRaney, J...	Kevin Spacey, Robin Wright, Kate Mara, Corey S...	United States	November 2, 2018	TV-MA	6 Seasons	TV Dramas, TV Thrillers	A ruthless politician will stop at nothing to ...

In [18]:

```
#second way
df[df['Title'].str.contains('House of Cards')]
```

Out[18]:

	Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description
2832	s2833	TV Show	House of Cards	Robin Wright, David Fincher, Gerald McRaney, J...	Kevin Spacey, Robin Wright, Kate Mara, Corey S...	United States	November 2, 2018	TV-MA	6 Seasons	TV Dramas, TV Thrillers	A ruthless politician will stop at nothing to ...

In [19]:

```
df.loc[df['Title']=='House of Cards']
```

Out[19]:

Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	
2832	s2833	TV Show	House of Cards	Robin Wright, David Fincher, Gerald McRaney, J...	Kevin Spacey, Robin Wright, Kate Mara, Corey S...	United States	November 2, 2018	TV-MA	6 Seasons	TV Dramas, TV Thrillers	A ruthless politician will stop at nothing to ...

In [20]:

```
# Q. 2) In which year the highest number of the TV Shows & Movies were released ? Show with Bar Graph.
df['Date'] = pd.to_datetime(df['Release_Date'])
df.head()
```

Out[20]:

Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Descri
0	s1	TV Show	3%	NaN	João Miguel, Bianca Comparato, Michel Gomes, R...	Brazil	August 14, 2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi &... In a t where the inha isle
1	s2	Movie	07:19	Jorge Michel Grau	Demián Bichir, Héctor Bonilla, Oscar Serrano, ...	Mexico	December 23, 2016	TV-MA	93 min	Dramas, International Movies A devas earthquak Mexico
2	s3	Movie	23:59	Gilbert Chan	Tedd Chan, Stella Chung, Henley Hii, Lawrence ...	Singapore	December 20, 2018	R	78 min	Horror Movies, International Movies When an recruit is : dea fe
3	s4	Movie	9	Shane Acker	Elijah Wood, John C. Reilly, Jennifer Connelly...	United States	November 16, 2017	PG-13	80 min	Action & Adventure, Independent Movies, Sci-Fi... postapoca world, ra robot
4	s5	Movie	21	Robert Luketic	Jim Sturgess, Kevin Spacey, Kate Bosworth, Aar...	United States	January 1, 2020	PG-13	123 min	Dramas A brilliant ! of stu become c

In [21]:

```
df['Date'].dt.year.value_counts()
```

Out[21]:

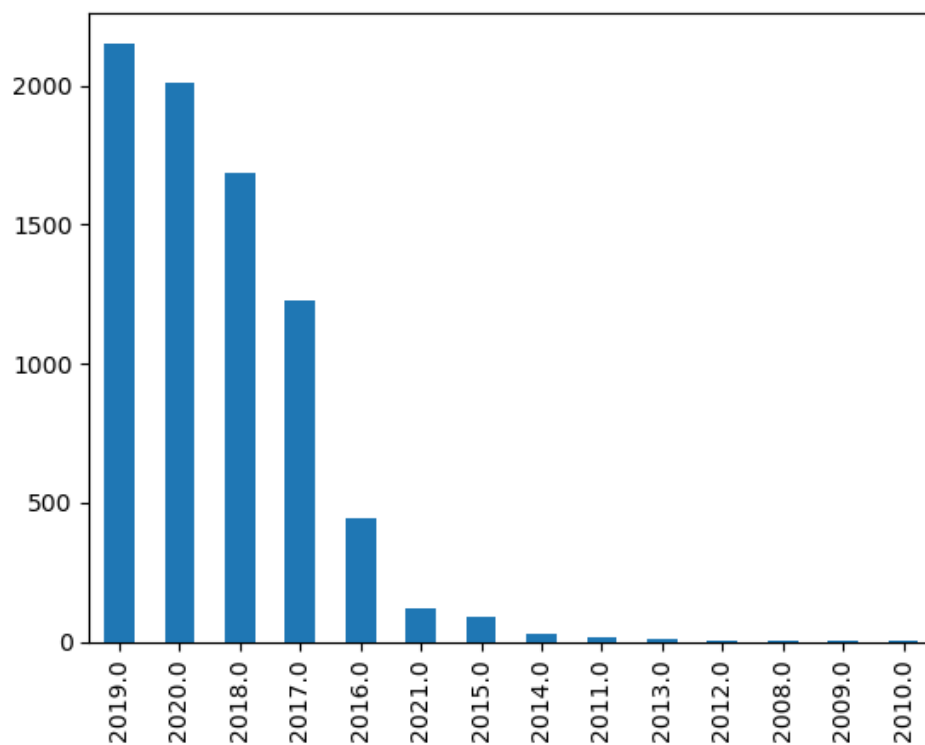
```
2019.0    2153
2020.0    2009
2018.0    1685
2017.0    1225
2016.0     443
2021.0     117
2015.0      88
2014.0      25
2011.0      13
2013.0      11
2012.0       3
2008.0       2
2009.0       2
2010.0       1
Name: Date, dtype: int64
```

In [22]:

```
# Q. 3) How many Movies & TV Shows are in the dataset ? Show with Bar Graph.  
df['Date'].dt.year.value_counts().plot(kind='bar')
```

Out[22]:

<AxesSubplot:>



In [23]:

```
df.groupby('Category').Category.count() #to group all unique items of a columns and show their count
```

Out[23]:

```
Category  
Movie      5377  
TV Show    2410  
Name: Category, dtype: int64
```

In [24]:

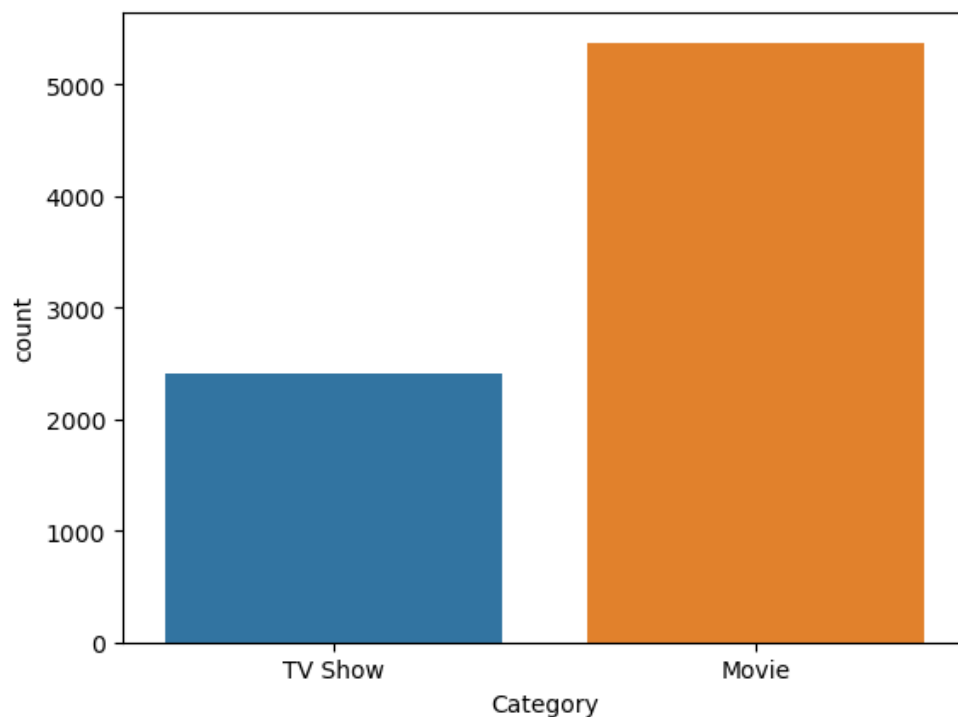
```
sns.countplot(df['Category'])
```

C:\Users\91952\anaconda3\lib\site-packages\seaborn_decorators.py:36: FutureWarning: Pass the following variable as a keyword arg: x. From version 0.12, the only valid positional argument will be `data`, and passing other arguments without an explicit keyword will result in an error or misinterpretation.

```
warnings.warn(
```

Out[24]:

```
<AxesSubplot:xlabel='Category', ylabel='count'>
```



In [25]:

```
# Q. 4) Show all the Movies that were released in year 2000.  
df['Year'] = df['Date'].dt.year  
print(df)
```

	Show_Id	Category	Title \		
0	s1	TV Show	3%		
1	s2	Movie	07:19		
2	s3	Movie	23:59		
3	s4	Movie	9		
4	s5	Movie	21		
...		
7784	s7783	Movie	Zozo		
7785	s7784	Movie	Zubaan		
7786	s7785	Movie	Zulu Man in Japan		
7787	s7786	TV Show	Zumbo's Just Desserts		
7788	s7787	Movie	ZZ TOP: THAT LITTLE OL' BAND FROM TEXAS		
	Director		Cast \		
0	NaN		João Miguel, Bianca Comparato, Michel Gomes, R...		
1	Jorge Michel Grau		Demián Bichir, Héctor Bonilla, Oscar Serrano, ...		
2	Gilbert Chan		Tedd Chan, Stella Chung, Henley Hii, Lawrence ...		
3	Shane Acker		Elijah Wood, John C. Reilly, Jennifer Connelly...		
4	Robert Luketic		Jim Sturgess, Kevin Spacey, Kate Bosworth, Aar...		
...		
7784	Josef Fares		Imad Creidi, Antoinette Turk, Elias Gergi, Car...		
7785	Mozez Singh		Vicky Kaushal, Sarah-Jane Dias, Raaghav Chanan...		
7786	NaN		Nasty C		
7787	NaN		Adriano Zumbo, Rachel Khoo		
7788	Sam Dunn		NaN		
			Country	Release_Date	
0			Brazil	August 14, 2020	
1			Mexico	December 23, 2016	
2			Singapore	December 20, 2018	
3			United States	November 16, 2017	
4			United States	January 1, 2020	
...			
7784	Sweden, Czech Republic, United Kingdom, Denmar...			October 19, 2020	
7785			India	March 2, 2019	
7786			NaN	September 25, 2020	
7787			Australia	October 31, 2020	
7788	United Kingdom, Canada, United States			March 1, 2020	
	Rating	Duration	Type \		
0	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi &...		
1	TV-MA	93 min	Dramas, International Movies		
2	R	78 min	Horror Movies, International Movies		
3	PG-13	80 min	Action & Adventure, Independent Movies, Sci-Fi...		
4	PG-13	123 min	Dramas		
...		
7784	TV-MA	99 min	Dramas, International Movies		
7785	TV-14	111 min	Dramas, International Movies, Music & Musicals		
7786	TV-MA	44 min	Documentaries, International Movies, Music & M...		
7787	TV-PG	1 Season	International TV Shows, Reality TV		
7788	TV-MA	90 min	Documentaries, Music & Musicals		
			Description	Date	Year
0	In a future where the elite inhabit an island ...			2020-08-14	2020.0
1	After a devastating earthquake hits Mexico Cit...			2016-12-23	2016.0
2	When an army recruit is found dead, his fellow...			2018-12-20	2018.0
3	In a postapocalyptic world, rag-doll robots hi...			2017-11-16	2017.0
4	A brilliant group of students become card-coun...			2020-01-01	2020.0
...
7784	When Lebanon's Civil War deprives Zozo of his ...			2020-10-19	2020.0
7785	A scrappy but poor boy worms his way into a ty...			2019-03-02	2019.0
7786	In this documentary, South African rapper Nast...			2020-09-25	2020.0
7787	Dessert wizard Adriano Zumbo looks for the nex...			2020-10-31	2020.0
7788	This documentary delves into the mystique behi...			2020-03-01	2020.0

[7787 rows x 13 columns]

In [26]:

```
#Filtering
df[ (df['Category']=='Movie') & (df['Year']==2000)]  # no movie in 2000
```

Out[26]:

Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	Date	Year
---------	----------	-------	----------	------	---------	--------------	--------	----------	------	-------------	------	------

```
In [27]:  
  
df[ (df['Category']=='Movie') & (df['Year']==2020)]
```

Out[27]:

Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	
4	s5	Movie	21	Robert Luketic	Jim Sturgess, Kevin Spacey, Kate Bosworth, Aar...	United States	January 1, 2020	PG-13	123 min	Dramas
6	s7	Movie	122	Yasir Al Yasiri	Amina Khalil, Ahmed Dawood, Tarek Lotfy, Ahmed...	Egypt	June 1, 2020	TV-MA	95 min	Horror Movies, International Movies
14	s15	Movie	3022	John Suits	Omar Epps, Kate Walsh, Miranda Cosgrove, Angus...	United States	March 19, 2020	R	91 min	Independent Movies, Sci-Fi & Fantasy, Thrillers
27	s28	Movie	#Alive	Cho Il	Yoo Ah-in, Park Shin-hye	South Korea	September 8, 2020	TV-MA	99 min	Horror Movies, International Movies, Thrillers
28	s29	Movie	#AnneFrank - Parallel Stories	Sabina Fedeli, Anna Migotto	Helen Mirren, Gengher Gatti	Italy	July 1, 2020	TV-14	95 min	Documentaries, International Movies
...	
7762	s7761	Movie	Zaki Chan	Wael Ihsan	Ahmed Helmy, Yasmin Abdulaziz, Hassan Hosny, H...	Egypt	May 19, 2020	TV-PG	109 min	Comedies, International Movies, Romantic Movies
7783	s7782	Movie	Zoom	Peter Hewitt	Tim Allen, Courteney Cox, Chevy Chase, Kate Ma...	United States	January 11, 2020	PG	88 min	Children & Family Movies, Comedies
7784	s7783	Movie	Zozo	Josef Fares	Imad Creidi, Antoinette Turk, Elias Gergi, Car...	Sweden, Czech Republic, United Kingdom, Denmar...	October 19, 2020	TV-MA	99 min	Dramas, International Movies
7786	s7785	Movie	Zulu Man in Japan	NaN	Nasty C	NaN	September 25, 2020	TV-MA	44 min	Documentaries, International Movies, Music & M...
7788	s7787	Movie	ZZ TOP: THAT LITTLE OL' BAND FROM TEXAS	Sam Dunn	NaN	United Kingdom, Canada, United States	March 1, 2020	TV-MA	90 min	Documentaries, Music & Musicals

1312 rows × 13 columns

In [28]:

```
# Q. 5) Show only the Titles of all TV Shows that were released in India only.
df[(df['Category']=='TV Show') & (df['Country']=='India')]['Title']
```

Out[28]:

```
86          21 Sarfarosh: Saragarhi 1897
132          7 (Seven)
340          Agent Raghav
364          Akbar Birbal
533          Anjaan: Rural Myths
...
6249          The Creative Indians
6400  The Golden Years with Javed Akhtar
6469          The House That Made Me
7294          Typewriter
7705          Yeh Meri Family
Name: Title, Length: 71, dtype: object
```

In [29]:

```
# Q. 6) Show Top 10 Directors, who gave the highest number of TV Shows & Movies to Netflix ?
df['Director'].value_counts().head(10)
```

Out[29]:

```
Raúl Campos, Jan Suter    18
Marcus Raboy              16
Jay Karas                 14
Cathy Garcia-Molina       13
Jay Chapman               12
Youssef Chahine           12
Martin Scorsese           12
Steven Spielberg          10
David Dhawan              9
Hakan Algül               8
Name: Director, dtype: int64
```

In [30]:

```
#Q. 7) Show all the Records, where "Category is Movie and Type is Comedies" or "Country is United Kingdom".
df[(df['Category']=='Movie') & (df['Type']=='Comedies') | (df['Country'] == 'United Kingdom')]
```

Out[30]:

Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	
19	s20	Movie	'89	NaN	Lee Dixon, Ian Wright, Paul Merson	United Kingdom	May 16, 2018	TV-PG	87 min	Sports Movie
33	s34	Movie	#realityhigh	Fernando Lebrija	Nesta Cooper, Kate Walsh, John Michael Higgins...	United States	September 8, 2017	TV-14	99 min	Comedie
58	s59	TV Show	100% Hotter	NaN	Daniel Palmer, Melissa Sophia, Karen Williams,...	United Kingdom	November 1, 2019	TV-14	1 Season	British T Show: Internation. TV Show: Real.
72	s73	Movie	17 Again	Burr Steers	Zac Efron, Leslie Mann, Matthew Perry, Thomas ...	United States	January 1, 2021	PG-13	102 min	Comedie
82	s83	Movie	2036 Origin Unknown	Hasraf Dulull	Katee Sackhoff, Ray Fearon, Julie Cox, Steven ...	United Kingdom	December 20, 2018	TV-14	95 min	Sci-Fi Fantas
...
7670	s7669	TV Show	World War II in Colour	NaN	Robert Powell	United Kingdom	August 1, 2017	TV-MA	1 Season	British T Show: Docuserie: Internation. TV.
7671	s7670	TV Show	World's Busiest Cities	NaN	Anita Rani, Ade Adepitan, Dan Snow	United Kingdom	February 1, 2019	TV-PG	1 Season	British T Show: Docuserie
7688	s7687	Movie	XV: Beyond the Tryline	Pierre Deschamps	NaN	United Kingdom	March 18, 2020	TV-14	91 min	Documentarie: Sports Movie
7725	s7724	Movie	You Can Tutu	James Brown	Lily O'Regan, Jeannettsy Enriquez Borges, Joel...	United Kingdom	December 31, 2017	TV-G	87 min	Children Family Movie
7740	s7739	TV Show	Young Wallander	NaN	Adam Pålsson, Richard Dillane, Leanne Best, El...	United Kingdom	September 3, 2020	TV-MA	1 Season	Crime T Show: Internation. TV Shows, T Drama

485 rows × 13 columns



In [31]:

```
# Q. 8) In how many movies/shows, Tom Cruise was cast ?
df[df['Cast']=='Tom Cruise']
```

Out[31]:

Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	Date	Year
---------	----------	-------	----------	------	---------	--------------	--------	----------	------	-------------	------	------

In [32]:

```
df1=df.dropna()
```

In [33]:

```
df1[df1['Cast'].str.contains('Tom Cruise')]
```

Out[33]:

Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description
3860	s3861	Movie	Magnolia	Paul Thomas Anderson	Jeremy Blackman, Tom Cruise, Melinda Dillon, A...	United States	January 1, 2020	R	189 min	Dramas, Independent Movies
5071	s5071	Movie	Rain Man	Barry Levinson	Dustin Hoffman, Tom Cruise, Valeria Golino, Ge...	United States	July 1, 2019	R	134 min	Classic Movies, Dramas

In [34]:

```
# Q. 9) What are the different Ratings defined by Netflix ?
df['Rating'].unique()
```

Out[34]:

```
array(['TV-MA', 'R', 'PG-13', 'TV-14', 'TV-PG', 'NR', 'TV-G', 'TV-Y', nan, 'TV-Y7', 'PG', 'G', 'NC-17', 'TV-Y7-FV', 'UR'], dtype=object)
```

In [35]:

```
df['Rating'].nunique()
```

Out[35]:

14

In [36]:

```
# Q. 9.1) How many Movies got the 'TV-14' rating, in Canada ?
df[(df['Category']=='Movie') & (df['Rating']=='TV-14')].shape
```

Out[36]:

(1272, 13)

In [37]:

```
df[(df['Category']=='Movie') & (df['Rating']=='TV-14') & (df['Country']=='Canada')].shape
```

Out[37]:

(11, 13)

In [38]:

```
# Q. 9.2) How many TV Shows got the 'R' rating, after year 2018 ?
df[(df['Category']=='TV Show') & (df['Rating']=='R') & (df['Year'] > 2018)]
```

Out[38]:

Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	
6437	s6436	TV Show	The Hateful Eight: Extended Version	Quentin Tarantino	Samuel L. Jackson, Kurt Russell, Jennifer Jaso...	NaN	April 25, 2019	R	1 Season	TV Shows	Trapped at a stagecoach stop as a storm rages ...

In [39]:

```
# Q. 10) What is the maximum duration of a Movie/Show on Netflix ?
df['Duration'].max()
```

Out[39]:

'99 min'

In [40]:

```
# Q. 11) Which individual country has the Highest No. of TV Shows ?  
df1=df[df['Category']=='TV Show']  
print(df1)
```

	Show_Id	Category	Title	Director	\
0	s1	TV Show	3%	NaN	
5	s6	TV Show	46	Serdar Akar	
11	s12	TV Show	1983	NaN	
12	s13	TV Show	1994	Diego Enrique Osorno	
16	s17	TV Show	Feb-09	NaN	
...	
7769	s7768	TV Show	Zindagi Gulzar Hai	NaN	
7777	s7776	TV Show	Zoids Wild	NaN	
7779	s7778	TV Show	Zombie Dumb	NaN	
7781	s7780	TV Show	Zona Rosa	NaN	
7787	s7786	TV Show	Zumbo's Just Desserts	NaN	

	Cast	\
0	João Miguel, Bianca Comparato, Michel Gomes, R...	
5	Erdal Beşikçioğlu, Yasemin Allen, Melis Birkan...	
11	Robert Więckiewicz, Maciej Musiał, Michalina O...	
12	NaN	
16	Shahd El Yaseen, Shaila Sabt, Hala, Hanadi Al-...	
...	...	
7769	Sanam Saeed, Fawad Khan, Ayesha Omer, Mehreen ...	
7777	Kensho Ono, Takahiro Sakurai, Mikako Komatsu, ...	
7779	NaN	
7781	Manu NNa, Ana Julia Yeyé, Ray Contreras, Pablo...	
7787	Adriano Zumbo, Rachel Khoo	

	Country	Release_Date	Rating	Duration	\
0	Brazil	August 14, 2020	TV-MA	4 Seasons	
5	Turkey	July 1, 2017	TV-MA	1 Season	
11	Poland, United States	November 30, 2018	TV-MA	1 Season	
12	Mexico	May 17, 2019	TV-MA	1 Season	
16	NaN	March 20, 2019	TV-14	1 Season	
...	
7769	Pakistan	December 15, 2016	TV-PG	1 Season	
7777	Japan	August 14, 2020	TV-Y7	1 Season	
7779	NaN	July 1, 2019	TV-Y7	2 Seasons	
7781	Mexico	November 26, 2019	TV-MA	1 Season	
7787	Australia	October 31, 2020	TV-PG	1 Season	

	Type	\
0	International TV Shows, TV Dramas, TV Sci-Fi &...	
5	International TV Shows, TV Dramas, TV Mysteries	
11	Crime TV Shows, International TV Shows, TV Dramas	
12	Crime TV Shows, Docuseries, International TV S...	
16	International TV Shows, TV Dramas	
...	...	
7769	International TV Shows, Romantic TV Shows, TV ...	
7777	Anime Series, Kids' TV	
7779	Kids' TV, Korean TV Shows, TV Comedies	
7781	International TV Shows, Spanish-Language TV Sh...	
7787	International TV Shows, Reality TV	

	Description	Date	Year
0	In a future where the elite inhabit an island ...	2020-08-14	2020.0
5	A genetics professor experiments with a treatm...	2017-07-01	2017.0
11	In this dark alt-history thriller, a naïve law...	2018-11-30	2018.0
12	Archival video and new interviews examine Mexi...	2019-05-17	2019.0
16	As a psychology professor faces Alzheimer's, h...	2019-03-20	2019.0
...
7769	Strong-willed, middle-class Kashaf and carefre...	2016-12-15	2016.0
7777	A quest for freedom and legendary treasure beg...	2020-08-14	2020.0
7779	While living alone in a spooky town, a young g...	2019-07-01	2019.0
7781	An assortment of talent takes the stage for a ...	2019-11-26	2019.0
7787	Dessert wizard Adriano Zumbo looks for the nex...	2020-10-31	2020.0

[2410 rows x 13 columns]

In [41]:

```
df1.Country.value_counts().head(1)
```

Out[41]:

```
United States    705  
Name: Country, dtype: int64
```

In [42]:

```
# Q. 12) How can we sort the dataset by Year ?  
df.sort_values(by = 'Year', ascending=False).head(20)
```

Out[42]:

	Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Ty	
	5564	s5564	Movie	Sherlock Holmes	Guy Ritchie	Robert Downey Jr., Jude Law, Rachel McAdams, M...	United States, Germany, United Kingdom, Australia	January 1, 2021	PG-13	128 min	Action Adventure Comed
	5919	s5919	Movie	Surf's Up	Ash Brannon, Chris Buck	Shia LaBeouf, Jeff Bridges, Zooey Deschanel, J...	United States	January 1, 2021	PG	86 min	Childrenr Farr Movie Comedia Spo Mov
	980	s981	TV Show	Bling Empire	NaN	NaN	NaN	January 15, 2021	TV-MA	1 Season	Reality
	5955	s5955	Movie	Taare Zameen Par	Aamir Khan	Aamir Khan, Darsheel Safary, Tanay Chheda, Tis...	India	January 10, 2021	PG	162 min	Drama: Internatio Mov
	366	s367	Movie	Al acecho	Francisco D'Eufemia	Rodrigo de la Serna, Belen Blanco, Walter Jako...	NaN	January 12, 2021	TV-MA	81 min	Internatio Movie Thrill
	560	s561	Movie	Apaharan	Prakash Jha	Ajay Devgn, Nana Patekar, Bipasha Basu, Ayub K...	India	January 8, 2021	TV-14	161 min	Drama: Internatio Mov
	1355	s1356	Movie	Chris Rock Total Blackout: The Tamborine Exten...	Chris Rock	Chris Rock	NaN	January 12, 2021	TV-MA	98 min	Stand-Come
	5922	s5922	TV Show	Surviving Death	NaN	NaN	United States	January 6, 2021	TV-MA	1 Season	Docuserie: Reality
	4269	s4270	Movie	Mud	Jeff Nichols	Matthew McConaughey, Reese Witherspoon, Tye Sh...	United States	January 1, 2021	PG-13	131 min	Drama: Independe Mov
	2799	s2800	Movie	Hook	Steven Spielberg	Dustin Hoffman, Robin Williams, Julia Roberts,...	United States	January 15, 2021	PG	142 min	Childrenr Farr Mov
	3558	s3559	Movie	Leap!	Eric Summer, Éric Warin	Bronwen Mantel, Mel Brooks, Maddie Ziegler, Da...	France, Canada	January 7, 2021	PG	89 min	Childrenr Farr Movie Comed
	5907	s5907	Movie	Superbad	Greg Mottola	Jonah Hill, Michael Cera, Christopher Mintz-Pl...	United States	January 1, 2021	R	113 min	Comedia Cult Mov
	5305	s5305	TV Show	Running Man	NaN	Kim Seo-yeong, Um Sang-hyun, Kwon Changwook, K...	NaN	January 1, 2021	TV-Y7	1 Season	Kids' TV, Comed

	Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type
1002	s1003	Movie	Blue Streak	Les Mayfield	Martin Lawrence, Luke Wilson, Peter Greene, Da...	Germany, United States	January 1, 2021	PG-13	94 min	Action Adventure Comedy
1004	s1005	Movie	BluffMaster!	Rohan Sippy	Abhishek Bachchan, Priyanka Chopra, Riteish De...	India	January 8, 2021	TV-14	129 min	Comedy International Movie Romantic Movie
5323	s5323	Movie	S.W.A.T.	Clark Johnson	Samuel L. Jackson, Colin Farrell, Michelle Rod...	United States	January 1, 2021	PG-13	117 min	Action Adventure
6636	s6635	TV Show	The Magicians	NaN	Jason Ralph, Arjun Gupta, Hale Appleman, Stell...	United States, Canada	January 15, 2021	TV-MA	5 Seasons	TV Drama TV Sci-Fi Fantasy
7222	s7221	Movie	Tribhanga - Tedhi Medhi Crazy	Renuka Shahane	Kajol, Tanvi Azmi, Mithila Palkar, Kunaal Roy ...	NaN	January 15, 2021	TV-MA	96 min	Drama International Movie
5980	s5980	Movie	Tanda Tanya	Hanung Bramantyo	Reza Rahadian, Revalina S. Temat, Rio Dewanto,...	NaN	January 14, 2021	TV-MA	102 min	Drama International Movie
4372	s4373	Movie	Mystic Pizza	Donald Petrie	Annabeth Gish, Julia Roberts, Lili Taylor, Vin...	United States	January 1, 2021	R	104 min	Comedy Drama Independent Movie

In [52]:

```
# Q. 13) Find all the instances where: Category is 'Movie' and Type is 'Dramas' or Category is 'TV Show' &  
df[(df['Category']=='Movie') &(df['Type']=='Dramas') | (df['Category']=='TV Show') & (df['Type']=='Kids TV')]
```

Out[52]:

Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Descri	
4	s5	Movie	21	Robert Luketic	Jim Sturgess, Kevin Spacey, Kate Bosworth, Aar...	United States	January 1, 2020	PG-13	123 min	Dramas	A br gro stur ber card-cr
7	s8	Movie	187	Kevin Reynolds	Samuel L. Jackson, John Heard, Kelly Rowan, Cl...	United States	November 1, 2019	R	119 min	Dramas	After o his su stur attac
170	s171	Movie	A Family Man	Mark Williams	Gerard Butler, Gretchen Mol, Alison Brie, Will...	Canada, United States	December 15, 2019	R	110 min	Dramas	A rut corp headh battle
232	s233	Movie	A Stoning in Fulham County	Larry Elikann	Ken Olin, Jill Eikenberry, Maureen Mueller, Gr...	United States	October 1, 2011	TV-14	95 min	Dramas	rec teens k Amish i ε
295	s296	Movie	Across Grace Alley	Ralph Macchio	Ben Hyland, Marsha Mason, Karina Smirnoff, Col...	United States	December 1, 2016	TV-PG	24 min	Dramas	A y boy, t t pai div
...
7417	s7416	Movie	Victor	Brandon Dickerson	Patrick Davis, Lisa Vidal, Josh Pence, José Zú...	United States	July 24, 2017	PG-13	110 min	Dramas	In Brookl P Rican who j
7422	s7421	Movie	Villain	Philip Barantini	Craig Fairbrass, George Russo, Robert Gleniste...	United Kingdom	September 5, 2020	R	97 min	Dramas	Fresh c priso ex-con to sav
7449	s7448	Movie	VS.	Ed Lilly	Connor Swindells, Fola Evans-Akingbola, Nichol...	United Kingdom	June 19, 2019	TV-MA	99 min	Dramas	A y m foster finc voice
7465	s7464	Movie	Wakefield	Robin Swicord	Bryan Cranston, Jennifer Garner, Jason O'Mara,...	United States	March 2, 2019	R	109 min	Dramas	An unh fathe lawyer subu
7480	s7479	Movie	War Horse	Steven Spielberg	Emily Watson, David Thewlis, Peter Mullan, Nie...	United States, India	May 6, 2019	PG-13	147 min	Dramas	D World v the betwe youn

117 rows × 13 columns

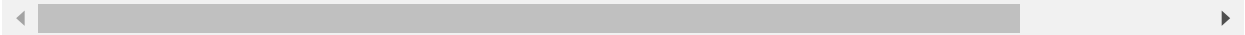
In [55]:

```
df[(df['Category']=='TV Show') & (df['Type']=="Kids' TV")]
```

Out[55]:

	Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Des
111	s112	TV Show	44 Cats	NaN	Sarah Natchenny, Suzy Myers, Simona Berman, E...	Italy	October 1, 2020	TV-Y7	2 Seasons	Kids' TV	Paw sing
276	s277	TV Show	Abby Hatcher	Kyran Kelly	Macy Drouin, Wyatt White, Paul Sun-Hyung Lee, ...	United States, Canada	July 1, 2020	TV-Y	1 Season	Kids' TV	heath frien
434	s435	TV Show	Alphablocks	NaN	Teresa Gallagher, David Holt, Lizzie Waterworth	United Kingdom	May 25, 2020	TV-Y	5 Seasons	Kids' TV	Th e con
598	s599	TV Show	Ask the StoryBots	NaN	Judy Greer, Erin Fitzgerald, Fred Tatasciore, ...	United States	August 2, 2019	TV-Y	3 Seasons	Kids' TV	Five ci tra
706	s707	TV Show	Bal Ganesh	Vijay S. Bhanushali	Meghna Erande Joshi, Parminder Ghuman	NaN	March 31, 2020	TV-Y7	1 Season	Kids' TV	c inva
...
7668	s7667	TV Show	World of Winx	Iginio Straffi	Haven Paschall, Alysha Deslorieux, Jessica Paq...	Italy, United States	June 16, 2017	TV-Y7	2 Seasons	Kids' TV	Th , enga Win
7717	s7716	TV Show	Yoko	NaN	Eileen Stevens, Alyson Leigh Rosenfeld, Sarah ...	NaN	June 23, 2018	TV-Y	1 Season	Kids' TV	Frier Vik's at
7719	s7718	TV Show	YOM	NaN	Sairaj, Devyani Dagaonkar, Ketan Singh, Mayur ...	NaN	June 7, 2018	TV-Y7	1 Season	Kids' TV	, n be the b
7758	s7757	TV Show	Z4	NaN	Apollo Costa, Gabriel Santana, Matheus Lustosa...	Brazil	February 22, 2019	TV-PG	2 Seasons	Kids' TV	n vel rea
7761	s7760	TV Show	Zak Storm	NaN	Michael Johnston, Jessica Gee-George, Christin...	United States, France, South Korea, Indonesia	September 13, 2018	TV-Y7	3 Seasons	Kids' TV	Tee Za myst tra

205 rows × 13 columns



In []: