

```
import pandas as pd
```

```
df = pd.read_csv("netflix.csv")
```

```
df
```

	show_id	type	title	director	\
0	s1	Movie	Dick Johnson Is Dead	Kirsten Johnson	
1	s2	TV Show	Blood & Water	NaN	
2	s3	TV Show	Ganglands	Julien Leclercq	
3	s4	TV Show	Jailbirds New Orleans	NaN	
4	s5	TV Show	Kota Factory	NaN	
...	...	...	...	...	...
8802	s8803	Movie	Zodiac	David Fincher	
8803	s8804	TV Show	Zombie Dumb	NaN	
8804	s8805	Movie	Zombieland	Ruben Fleischer	
8805	s8806	Movie	Zoom	Peter Hewitt	
8806	s8807	Movie	Zubaan	Mozez Singh	

	cast	country
\		
0	NaN	United States
1	Ama Qamata, Khosi Ngema, Gail Mabalane, Thaban...	South Africa
2	Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabi...	NaN
3	NaN	NaN
4	Mayur More, Jitendra Kumar, Ranjan Raj, Alam K...	India
...	...	...
8802	Mark Ruffalo, Jake Gyllenhaal, Robert Downey J...	United States
8803	NaN	NaN
8804	Jesse Eisenberg, Woody Harrelson, Emma Stone, ...	United States
8805	Tim Allen, Courteney Cox, Chevy Chase, Kate Ma...	United States
8806	Vicky Kaushal, Sarah-Jane Dias, Raaghav Chanan...	India

	date_added	release_year	rating	duration	\
0	September 25, 2021	2020	PG-13	90 min	
1	September 24, 2021	2021	TV-MA	2 Seasons	
2	September 24, 2021	2021	TV-MA	1 Season	
3	September 24, 2021	2021	TV-MA	1 Season	
4	September 24, 2021	2021	TV-MA	2 Seasons	
...	...	...	...	...	...
8802	November 20, 2019	2007	R	158 min	

8803	July 1, 2019	2018	TV-Y7	2 Seasons
8804	November 1, 2019	2009	R	88 min
8805	January 11, 2020	2006	PG	88 min
8806	March 2, 2019	2015	TV-14	111 min

```

                                listed_in \
0                                Documentaries
1    International TV Shows, TV Dramas, TV Mysteries
2    Crime TV Shows, International TV Shows, TV Act...
3                                Docuseries, Reality TV
4    International TV Shows, Romantic TV Shows, TV ...
...
8802                                Cult Movies, Dramas, Thrillers
8803                                Kids' TV, Korean TV Shows, TV Comedies
8804                                Comedies, Horror Movies
8805                                Children & Family Movies, Comedies
8806    Dramas, International Movies, Music & Musicals

```

```

                                description
0    As her father nears the end of his life, filmm...
1    After crossing paths at a party, a Cape Town t...
2    To protect his family from a powerful drug lor...
3    Feuds, flirtations and toilet talk go down amo...
4    In a city of coaching centers known to train I...
...
8802    A political cartoonist, a crime reporter and a...
8803    While living alone in a spooky town, a young g...
8804    Looking to survive in a world taken over by zo...
8805    Dragged from civilian life, a former superhero...
8806    A scrappy but poor boy worms his way into a ty...

```

[8807 rows x 12 columns]

*#top 5 records*

df.head()

	show_id	type	title	director	\
0	s1	Movie	Dick Johnson Is Dead	Kirsten Johnson	
1	s2	TV Show	Blood & Water	NaN	
2	s3	TV Show	Ganglands	Julien Leclercq	
3	s4	TV Show	Jailbirds New Orleans	NaN	
4	s5	TV Show	Kota Factory	NaN	

	cast	country	\
0	NaN	United States	
1	Ama Qamata, Khosi Ngema, Gail Mabalane, Thaban...	South Africa	
2	Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabi...	NaN	
3	NaN	NaN	
4	Mayur More, Jitendra Kumar, Ranjan Raj, Alam K...	India	

	date_added	release_year	rating	duration	\
0	September 25, 2021	2020	PG-13	90 min	
1	September 24, 2021	2021	TV-MA	2 Seasons	
2	September 24, 2021	2021	TV-MA	1 Season	
3	September 24, 2021	2021	TV-MA	1 Season	
4	September 24, 2021	2021	TV-MA	2 Seasons	

	listed_in	\
0	Documentaries	
1	International TV Shows, TV Dramas, TV Mysteries	
2	Crime TV Shows, International TV Shows, TV Act...	
3	Docuseries, Reality TV	
4	International TV Shows, Romantic TV Shows, TV ...	

	description
0	As her father nears the end of his life, filmm...
1	After crossing paths at a party, a Cape Town t...
2	To protect his family from a powerful drug lor...
3	Feuds, flirtations and toilet talk go down amo...
4	In a city of coaching centers known to train I...

# bottom 5 records

df.tail()

	show_id	type	title	director	\
8802	s8803	Movie	Zodiac	David Fincher	
8803	s8804	TV Show	Zombie Dumb	NaN	
8804	s8805	Movie	Zombieland	Ruben Fleischer	
8805	s8806	Movie	Zoom	Peter Hewitt	
8806	s8807	Movie	Zubaan	Mozez Singh	

	cast	country
8802	Mark Ruffalo, Jake Gyllenhaal, Robert Downey J...	United States
8803	NaN	NaN
8804	Jesse Eisenberg, Woody Harrelson, Emma Stone, ...	United States
8805	Tim Allen, Courteney Cox, Chevy Chase, Kate Ma...	United States
8806	Vicky Kaushal, Sarah-Jane Dias, Raaghav Chanan...	India

	date_added	release_year	rating	duration	\
8802	November 20, 2019	2007	R	158 min	
8803	July 1, 2019	2018	TV-Y7	2 Seasons	
8804	November 1, 2019	2009	R	88 min	
8805	January 11, 2020	2006	PG	88 min	
8806	March 2, 2019	2015	TV-14	111 min	

```

                                listed_in \
8802                        Cult Movies, Dramas, Thrillers
8803                Kids' TV, Korean TV Shows, TV Comedies
8804                        Comedies, Horror Movies
8805                Children & Family Movies, Comedies
8806    Dramas, International Movies, Music & Musicals

```

```

                                description
8802    A political cartoonist, a crime reporter and a...
8803    While living alone in a spooky town, a young g...
8804    Looking to survive in a world taken over by zo...
8805    Dragged from civilian life, a former superhero...
8806    A scrappy but poor boy worms his way into a ty...

```

*# no of rows and columns*

```
df.shape
```

```
(8807, 12)
```

*# total no of values/elements on dataset*

```
df.size
```

```
105684
```

*#name of columns*

```
df.columns
```

```

Index(['show_id', 'type', 'title', 'director', 'cast', 'country',
      'date_added',
      'release_year', 'rating', 'duration', 'listed_in',
      'description'],
      dtype='object')

```

*#data types of each column*

```
df.dtypes
```

```

show_id      object
type         object
title        object
director     object
cast         object
country      object
date_added   object
release_year  int64
rating       object
duration     object
listed_in    object
description  object
dtype: object

```

```
# to show indexes, data types of each column, memory at once
df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 8807 entries, 0 to 8806
Data columns (total 12 columns):
 #   Column                Non-Null Count  Dtype  
---  -
 0   show_id               8807 non-null   object 
 1   type                 8807 non-null   object 
 2   title                8807 non-null   object 
 3   director             6173 non-null   object 
 4   cast                 7982 non-null   object 
 5   country              7976 non-null   object 
 6   date_added           8797 non-null   object 
 7   release_year         8807 non-null   int64  
 8   rating               8803 non-null   object 
 9   duration             8804 non-null   object 
10   listed_in            8807 non-null   object 
11   description           8807 non-null   object 
dtypes: int64(1), object(11)
memory usage: 825.8+ KB
```

```
#duplicate records
df[df.duplicated()]
```

```
Empty DataFrame
Columns: [show_id, type, title, director, cast, country, date_added,
release_year, rating, duration, listed_in, description]
Index: []
```

```
#check null values
df.isnull()
```

	show_id	type	title	director	cast	country	date_added	\
0	False	False	False	False	True	False	False	
1	False	False	False	True	False	False	False	
2	False	False	False	False	False	True	False	
3	False	False	False	True	True	True	False	
4	False	False	False	True	False	False	False	
...	...	...	...	...	...	...	...	
8802	False	False	False	False	False	False	False	
8803	False	False	False	True	True	True	False	
8804	False	False	False	False	False	False	False	
8805	False	False	False	False	False	False	False	
8806	False	False	False	False	False	False	False	

	release_year	rating	duration	listed_in	description
0	False	False	False	False	False
1	False	False	False	False	False

2	False	False	False	False	False
3	False	False	False	False	False
4	False	False	False	False	False
...	...	...	...	...	...
8802	False	False	False	False	False
8803	False	False	False	False	False
8804	False	False	False	False	False
8805	False	False	False	False	False
8806	False	False	False	False	False

[8807 rows x 12 columns]

*#count of null values*

df.isnull().sum()

show_id	0
type	0
title	0
director	2634
cast	825
country	831
date_added	10
release_year	0
rating	4
duration	3
listed_in	0
description	0

dtype: int64

*#seaborn library (heat-map)*

import seaborn as sns

sns.heatmap(df.isnull())

<AxesSubplot:>



	cast	country
1059	Kevin Spacey, Robin Wright, Kate Mara, Corey S...	United States

	date_added	release_year	rating	duration
1059	April 14, 2021	2018	TV-MA	6 Seasons

listed\_in \ TV Dramas, TV Thrillers

	description
1059	A ruthless politician will stop at nothing to ...

Q.2 In which year highest number of the TV Shows & Movies were released? Show with Bar Graph

```
df.dtypes
```

```
show_id      object
type         object
title        object
director     object
cast         object
country      object
date_added   object
release_year  int64
rating       object
duration     object
listed_in    object
description  object
dtype: object
```

```
df["Date_N"] = pd.to_datetime(df['date_added'])
```

```
df.head()
```

	show_id	type	title	director
0	s1	Movie	Dick Johnson Is Dead	Kirsten Johnson
1	s2	TV Show	Blood & Water	NaN
2	s3	TV Show	Ganglands	Julien Leclercq
3	s4	TV Show	Jailbirds New Orleans	NaN
4	s5	TV Show	Kota Factory	NaN

	cast	country
0	NaN	United States
1	Ama Qamata, Khosi Ngema, Gail Mabalane, Thaban...	South Africa
2	Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabi...	NaN
3	NaN	NaN
4	Mayur More, Jitendra Kumar, Ranjan Raj, Alam K...	India



	date_added	release_year	rating	duration	\
0	September 25, 2021	2020	PG-13	90 min	
1	September 24, 2021	2021	TV-MA	2 Seasons	
2	September 24, 2021	2021	TV-MA	1 Season	
3	September 24, 2021	2021	TV-MA	1 Season	
4	September 24, 2021	2021	TV-MA	2 Seasons	

	listed_in	\
0	Documentaries	
1	International TV Shows, TV Dramas, TV Mysteries	
2	Crime TV Shows, International TV Shows, TV Act...	
3	Docuseries, Reality TV	
4	International TV Shows, Romantic TV Shows, TV ...	

	description	Date_N
0	As her father nears the end of his life, filmm...	2021-09-25
1	After crossing paths at a party, a Cape Town t...	2021-09-24
2	To protect his family from a powerful drug lor...	2021-09-24
3	Feuds, flirtations and toilet talk go down amo...	2021-09-24
4	In a city of coaching centers known to train I...	2021-09-24

df.dtypes

show_id	object
type	object
title	object
director	object
cast	object
country	object
date_added	object
release_year	int64
rating	object
duration	object
listed_in	object
description	object
Date_N	datetime64[ns]
dtype:	object

```
#dt.year.value_counts()
```

```
#df['Date_N'].dt.year.value_counts()
```

```
df['release_year'].value_counts()
```

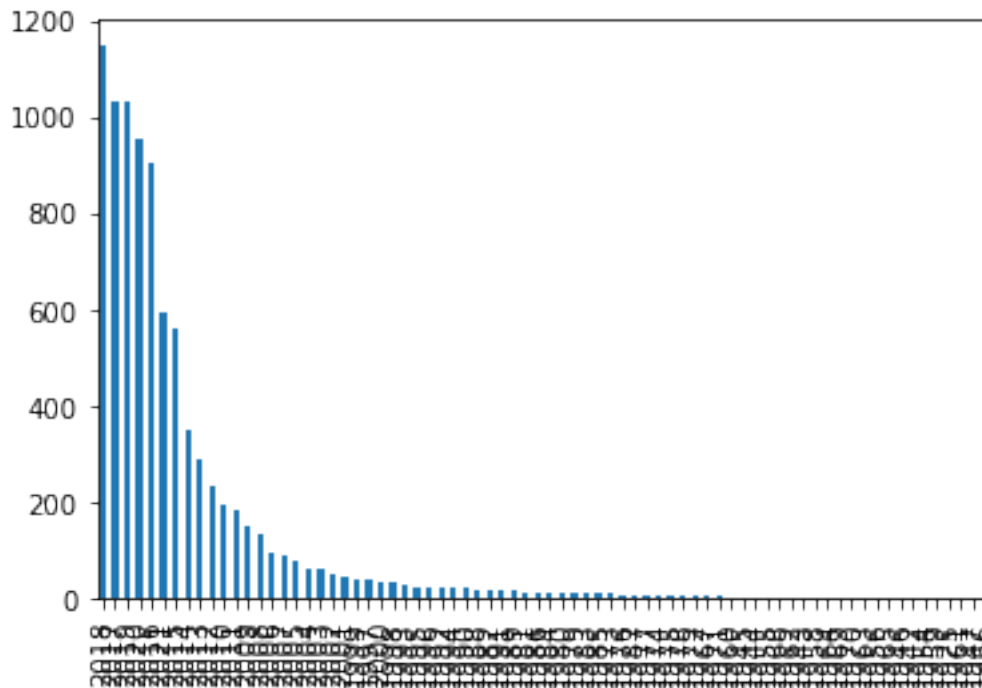
2018	1147
2017	1032
2019	1030
2020	953
2016	902
...	
1959	1

```

1925      1
1961      1
1947      1
1966      1
Name: release_year, Length: 74, dtype: int64

df['release_year'].value_counts().plot(kind='bar')
<AxesSubplot:>

```



Q.3. How many movies & TV Shows are in the dataset ? Show the Bar Graph

```
df.groupby('type').type.count()
```

```

type
Movie      6131
TV Show    2676
Name: type, dtype: int64

```

```

#countplot
sns.countplot(df['type'])

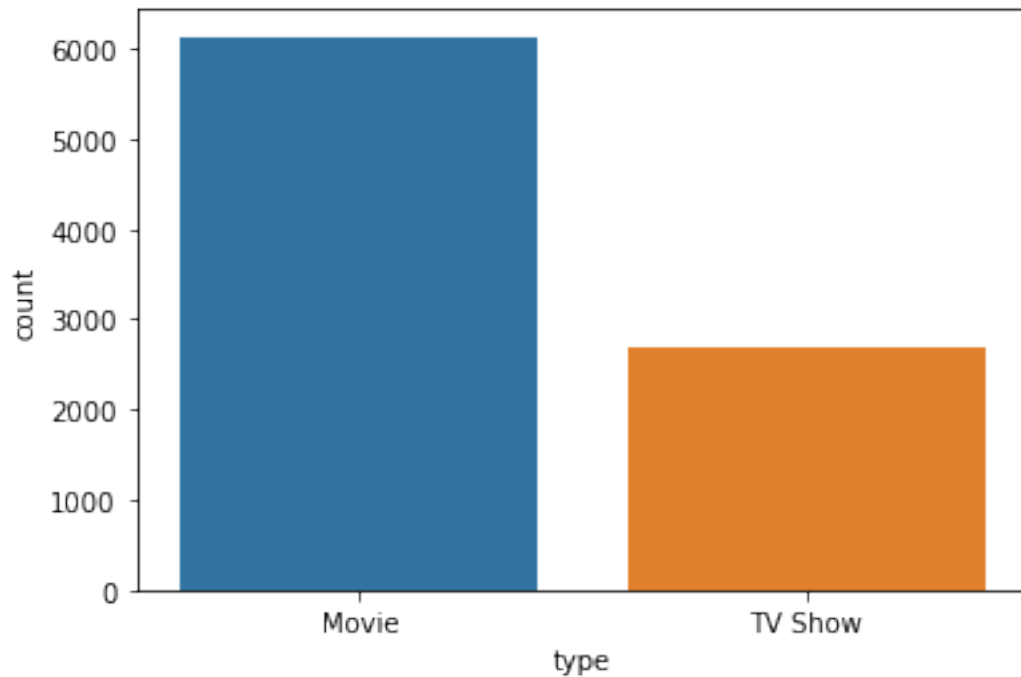
```

```

C:\Users\priya\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(

```

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



Q.4. Show all the movies that were released in year 2000

```
# extract year
#df['year']=df['Date_N'].dt.year
df[ (df['type'] == 'Movie') & (df['release_year'] == 2000) ]
```

	show_id	type	title
180	s181	Movie	The Nutty Professor II: The Klumps
350	s351	Movie	Space Cowboys
359	s360	Movie	The Original Kings of Comedy
566	s567	Movie	Charlie's Angels
593	s594	Movie	Snow Day
779	s780	Movie	Battlefield Earth
952	s953	Movie	The Whole Nine Yards
3472	s3473	Movie	Rugrats in Paris: The Movie
4545	s4546	Movie	Monty Python: Before the Flying Circus
4723	s4724	Movie	Fiza

4956	s4957	Movie	Phir Bhi Dil Hai Hindustani
5953	s5954	Movie	Joseph: King of Dreams
6006	s6007	Movie	28 Days
6147	s6148	Movie	American Psycho
6154	s6155	Movie	An American Tail: The Treasures of Manhattan I...
6311	s6312	Movie	Billy Elliot
6437	s6438	Movie	Center Stage
6440	s6441	Movie	Chal Mere Bhai
6543	s6544	Movie	Crouching Tiger, Hidden Dragon
6643	s6644	Movie	Dragonheart: A New Beginning
6753	s6754	Movie	Final Destination
6912	s6913	Movie	Hamara Dil Aapke Paas Hai
7013	s7014	Movie	How the Grinch Stole Christmas
7247	s7248	Movie	Kya Kehna
7316	s7317	Movie	Little Nicky
7702	s7703	Movie	Papa the Great
7801	s7802	Movie	Pukar
7955	s7956	Movie	Scary Movie
7962	s7963	Movie	Scream 3
8196	s8197	Movie	The Art of War
8305	s8306	Movie	The Flintstones in Viva Rock Vegas
8722	s8723	Movie	What Lies Beneath
8729	s8730	Movie	Where the Money Is
180	director \		
350	Peter Segal		
359	Clint Eastwood		
	Spike Lee		

566	McG
593	Chris Koch
779	Roger Christian
952	Jonathan Lynn
3472	Stig Bergqvist, Paul Demeyer
4545	Will Yapp
4723	Khalid Mohamed
4956	Aziz Mirza
5953	Rob LaDuca, Robert C. Ramirez
6006	Betty Thomas
6147	Mary Harron
6154	Larry Latham
6311	Stephen Daldry
6437	Nicholas Hytner
6440	David Dhawan
6543	Ang Lee
6643	Doug Lefler
6753	James Wong
6912	Satish Kaushik
7013	Ron Howard
7247	Kundan Shah
7316	Steve Brill
7702	Bhagyaraj
7801	Rajkumar Santoshi
7955	Keenen Ivory Wayans
7962	Wes Craven
8196	Christian Duguay
8305	Brian Levant
8722	Robert Zemeckis
8729	Marek Kaniiewska

	cast \
180	Eddie Murphy, Janet Jackson, Larry Miller, Joh...
350	Clint Eastwood, Tommy Lee Jones, Donald Suther...
359	Steve Harvey, D.L. Hughley, Cedric the Enterta...
566	Cameron Diaz, Drew Barrymore, Lucy Liu, Bill M...
593	Chris Elliott, Mark Webber, Jean Smart, Schuyl...
779	John Travolta, Barry Pepper, Forest Whitaker, ...
952	Bruce Willis, Matthew Perry, Rosanna Arquette,...
3472	Elizabeth Daily, Tara Strong, Cheryl Chase, Ch...
4545	Graham Chapman, Eric Idle, Terry Jones, Michae...
4723	Karisma Kapoor, Jaya Bhaduri, Hrithik Roshan, ...
4956	Shah Rukh Khan, Juhi Chawla, Paresh Rawal, Sat...
5953	Ben Affleck, Mark Hamill, Richard Herd, Mauree...
6006	Sandra Bullock, Viggo Mortensen, Dominic West,...
6147	Christian Bale, Willem Dafoe, Jared Leto, Rees...
6154	Thomas Dekker, Dom DeLuise, Pat Musick, Nehemi...
6311	Jamie Bell, Gary Lewis, Stuart Wells, Billy Fa...
6437	Amanda Schull, Zoe Saldana, Susan May Pratt, P...

6440 Sanjay Dutt, Salman Khan, Karisma Kapoor, Dali...  
 6543 Chow Yun Fat, Michelle Yeoh, Zhang Ziyi, Chang...  
 6643 Christopher Masterson, Harry Van Gorkum, Rona ...  
 6753 Devon Sawa, Ali Larter, Kerr Smith, Kristen Cl...  
 6912 Anil Kapoor, Aishwarya Rai Bachchan, Sonali Be...  
 7013 Jim Carrey, Taylor Momsen, Jeffrey Tambor, Chr...  
 7247 Preity Zinta, Saif Ali Khan, Anupam Kher, Fari...  
 7316 Adam Sandler, Patricia Arquette, Harvey Keitel...  
 7702 Krishan Kumar, Nagma, Satya Prakash, Master Bo...  
 7801 Anil Kapoor, Madhuri Dixit, Namrata Shirodkar,...  
 7955 Anna Faris, Jon Abrahams, Shannon Elizabeth, S...  
 7962 David Arquette, Neve Campbell, Courteney Cox, ...  
 8196 Wesley Snipes, Anne Archer, Maury Chaykin, Mar...  
 8305 Mark Addy, Stephen Baldwin, Kristen Johnston, ...  
 8722 Harrison Ford, Michelle Pfeiffer, Diana Scarwi...  
 8729 Paul Newman, Linda Fiorentino, Dermot Mulroney...

	country	
date_added \		
180	NaN	September 1,
2021		
350	United States	August 1,
2021		
359	United States	August 1,
2021		
566	United States, Germany	July 1,
2021		
593	United States	July 1,
2021		
779	United States	June 2,
2021		
952	United States	May 1,
2021		
3472	Germany, United States	October 1,
2019		
4545	United Kingdom	October 2,
2018		
4723	India	August 2,
2018		
4956	India	April 1,
2018		
5953	United States, France, United Kingdom	September 27,
2011		
6006	United States	September 30,
2020		
6147	United States, Canada	September 1,
2019		
6154	United States	April 1,
2018		

6311	United Kingdom, France	February 1,
2019		
6437	United States	January 1,
2020		
6440	India	December 31,
2019		
6543	Taiwan, Hong Kong, United States, China	March 1,
2019		
6643	United States	January 1,
2020		
6753	United States	January 1,
2020		
6912	India	March 1,
2018		
7013	United States	June 1,
2017		
7247	India	April 1,
2018		
7316	United States	December 1,
2020		
7702	India	December 8,
2017		
7801	India	March 1,
2018		
7955	United States	January 1,
2020		
7962	United States	July 1,
2019		
8196	United States, Canada	July 1,
2020		
8305	United States	October 1,
2019		
8722	United States	January 1,
2020		
8729	Germany, United States, United Kingdom, Canada	January 15,
2020		

	release_year	rating	duration	\
180	2000	PG-13	107 min	
350	2000	PG-13	130 min	
359	2000	R	111 min	
566	2000	PG-13	98 min	
593	2000	PG	89 min	
779	2000	PG-13	118 min	
952	2000	R	99 min	
3472	2000	G	79 min	
4545	2000	TV-MA	56 min	
4723	2000	TV-14	163 min	
4956	2000	TV-14	159 min	

5953	2000	TV-PG	75 min
6006	2000	PG-13	104 min
6147	2000	R	102 min
6154	2000	G	79 min
6311	2000	R	110 min
6437	2000	PG-13	116 min
6440	2000	TV-14	132 min
6543	2000	PG-13	120 min
6643	2000	PG	84 min
6753	2000	R	98 min
6912	2000	TV-14	158 min
7013	2000	PG	105 min
7247	2000	TV-PG	149 min
7316	2000	PG-13	90 min
7702	2000	TV-PG	137 min
7801	2000	TV-14	165 min
7955	2000	R	88 min
7962	2000	R	117 min
8196	2000	R	117 min
8305	2000	PG	91 min
8722	2000	PG-13	130 min
8729	2000	PG-13	89 min

	listed_in \
180	Comedies, Romantic Movies
350	Action & Adventure, Dramas, Sci-Fi & Fantasy
359	Stand-Up Comedy
566	Action & Adventure, Comedies
593	Children & Family Movies, Comedies
779	Action & Adventure, Cult Movies, Sci-Fi & Fantasy
952	Action & Adventure, Comedies
3472	Children & Family Movies, Comedies
4545	Comedies, Documentaries
4723	Dramas, International Movies, Music & Musicals
4956	Comedies, Dramas, International Movies
5953	Children & Family Movies, Dramas, Faith & Spir...
6006	Comedies, Dramas
6147	Comedies, Cult Movies, Dramas
6154	Children & Family Movies
6311	Dramas, Independent Movies, International Movies
6437	Dramas
6440	Comedies, International Movies, Romantic Movies
6543	Action & Adventure, International Movies, Roma...
6643	Action & Adventure, Sci-Fi & Fantasy
6753	Cult Movies, Horror Movies, Thrillers
6912	Dramas, International Movies, Music & Musicals
7013	Children & Family Movies, Comedies
7247	Dramas, International Movies, Romantic Movies
7316	Comedies



7702	Comedies, Dramas, International Movies
7801	Action & Adventure, Dramas, International Movies
7955	Comedies, Horror Movies
7962	Horror Movies
8196	Action & Adventure
8305	Children & Family Movies, Comedies, Romantic M...
8722	Horror Movies, Thrillers
8729	Action & Adventure, Comedies, Dramas

	description	Date_N
year		
180	After getting engaged, Sherman Klump prepares ...	2021-09-01
2021.0		
350	A retired engineer agrees to help NASA prevent...	2021-08-01
2021.0		
359	Comedians Steve Harvey, Cedric the Entertainer...	2021-08-01
2021.0		
566	A tight-knit trio of specially trained agents ...	2021-07-01
2021.0		
593	When a snow day shuts down the whole town, the...	2021-07-01
2021.0		
779	In the year 3000, an alien race known as the P...	2021-06-02
2021.0		
952	An unhappily married dentist becomes mixed up ...	2021-05-01
2021.0		
3472	The Rugrats take to the big screen and visit P...	2019-10-01
2019.0		
4545	Discover how six seemingly ordinary but suprem...	2018-10-02
2018.0		
4723	Fiza's brother disappears during Mumbai's horr...	2018-08-02
2018.0		
4956	In this Bollywood entertainment, two journalis...	2018-04-01
2018.0		
5953	With his gift of dream interpretation and his ...	2011-09-27
2011.0		
6006	After her drunken antics result in property da...	2020-09-30
2020.0		
6147	With chiseled good looks that belie his insani...	2019-09-01
2019.0		
6154	When Fievel and friends go hunting for buried ...	2018-04-01
2018.0		
6311	When a boy trades boxing school for ballet les...	2019-02-01
2019.0		
6437	Vying for a spot in the American Ballet Compan...	2020-01-01
2020.0		
6440	When a secretary saves her tycoon boss's life,...	2019-12-31
2019.0		
6543	A young woman in ancient China longs for an ad...	2019-03-01
2019.0		

```

6643 This sequel introduces Draco the dragon's offs... 2020-01-01
2020.0
6753 After narrowly avoiding a fatal plane explosio... 2020-01-01
2020.0
6912 Love blooms when kind-hearted Avinash takes in... 2018-03-01
2018.0
7013 The Grinch decides to rob Whoville of Christma... 2017-06-01
2017.0
7247 A young university student's world is shaken a... 2018-04-01
2018.0
7316 The devil sends his sweet son Nicky to Earth t... 2020-12-01
2020.0
7702 After witnessing a murder, a meek family man m... 2017-12-08
2017.0
7801 A notorious terrorist manipulates an Indian ar... 2018-03-01
2018.0
7955 The Wayans brothers spoof some of Hollywood's ... 2020-01-01
2020.0
7962 This installment of the tongue-in-cheek horror... 2019-07-01
2019.0
8196 Framed for the murder of an ambassador, a form... 2020-07-01
2020.0
8305 Yabba-dabba-doo! Digital dinosaurs rule the da... 2019-10-01
2019.0
8722 When Claire Spencer starts hearing ghostly voi... 2020-01-01
2020.0
8729 Paul Newman proves he's still got prodigious a... 2020-01-15
2020.0

```

Q.5. Show only the Titles of all TV Shows that were released in India only

```

df[ (df['type'] == 'TV Show') & (df['country'] == 'India') ] ['title']

4          Kota Factory
39         Chhota Bheem
50         Dharmakshetra
66      Raja Rasoi Aur Anya Kahaniyan
69  Stories by Rabindranath Tagore
...
8173          Thackeray
8235          The Calling
8321  The Golden Years with Javed Akhtar
8349          The House That Made Me
8775          Yeh Meri Family
Name: title, Length: 79, dtype: object

```

Q.6. Show Top 10 Directors, who gave the highest number of TV Shows & Movies to Netflix

```

df['director'].value_counts().head(10)

```

Rajiv Chilaka	19
Raúl Campos, Jan Suter	18
Marcus Raboy	16
Suhas Kadav	16
Jay Karas	14
Cathy Garcia-Molina	13
Martin Scorsese	12
Youssef Chahine	12
Jay Chapman	12
Steven Spielberg	11

Name: director, dtype: int64

Q.7 Show all the Records, where 'Type' in Movie and 'Listed In' Comedies or 'country is 'United Kingdom'

```
df[ (df['type'] == 'Movie') &
(df['listed_in'].str.contains('Comedies')) | (df['country'] == 'United Kingdom') ]
```

	show_id	type	title \
8	s9	TV Show	The Great British Baking Show
9	s10	Movie	The Starling
13	s14	Movie	Confessions of an Invisible Girl
22	s23	Movie	Avvai Shanmughi
24	s25	Movie	Jeans
...	...	...	...
8791	s8792	Movie	Young Adult
8793	s8794	Movie	Yours, Mine and Ours
8798	s8799	Movie	Zed Plus
8804	s8805	Movie	Zombieland
8805	s8806	Movie	Zoom

	director \
8	Andy Devonshire
9	Theodore Melfi
13	Bruno Garotti
22	K.S. Ravikumar
24	S. Shankar
...	...
8791	Jason Reitman
8793	Raja Gosnell
8798	Chandra Prakash Dwivedi
8804	Ruben Fleischer
8805	Peter Hewitt

	cast	country \
8	Mel Giedroyc, Sue Perkins, Mary Berry, Paul Ho...	United Kingdom
9	Melissa McCarthy, Chris O'Dowd, Kevin Kline, T...	United Kingdom

```

States
13 Klara Castanho, Lucca Picon, Júlia Gomes, Marc...
NaN
22 Kamal Hassan, Meena, Gemini Ganesan, Heera Raj...
NaN
24 Prashanth, Aishwarya Rai Bachchan, Sri Lakshmi...
India
...
.
8791 Charlize Theron, Patton Oswalt, Patrick Wilson... United
States
8793 Dennis Quaid, Rene Russo, Sean Faris, Katija P... United
States
8798 Adil Hussain, Mona Singh, K.K. Raina, Sanjay M...
India
8804 Jesse Eisenberg, Woody Harrelson, Emma Stone, ... United
States
8805 Tim Allen, Courteney Cox, Chevy Chase, Kate Ma... United
States

```

	date_added	release_year	rating	duration	\
8	September 24, 2021	2021	TV-14	9 Seasons	
9	September 24, 2021	2021	PG-13	104 min	
13	September 22, 2021	2021	TV-PG	91 min	
22	September 21, 2021	1996	TV-PG	161 min	
24	September 21, 2021	1998	TV-14	166 min	
...	...	...	...	...	
8791	November 20, 2019	2011	R	94 min	
8793	November 20, 2019	2005	PG	88 min	
8798	December 31, 2019	2014	TV-MA	131 min	
8804	November 1, 2019	2009	R	88 min	
8805	January 11, 2020	2006	PG	88 min	

	listed_in	\
8	British TV Shows, Reality TV	
9	Comedies, Dramas	
13	Children & Family Movies, Comedies	
22	Comedies, International Movies	
24	Comedies, International Movies, Romantic Movies	
...	...	
8791	Comedies, Dramas, Independent Movies	
8793	Children & Family Movies, Comedies	
8798	Comedies, Dramas, International Movies	
8804	Comedies, Horror Movies	
8805	Children & Family Movies, Comedies	

	description	Date_N
year		
8	A talented batch of amateur bakers face off in...	2021-09-24
2021.0		

```

9      A woman adjusting to life after a loss contend... 2021-09-24
2021.0
13     When the clever but socially-awkward Tetê join... 2021-09-22
2021.0
22     Newly divorced and denied visitation rights wi... 2021-09-21
2021.0
24     When the father of the man she loves insists t... 2021-09-21
2021.0
...
...
8791   When a divorced writer gets a letter from an o... 2019-11-20
2019.0
8793   When a father of eight and a mother of 10 prep... 2019-11-20
2019.0
8798   A philandering small-town mechanic's political... 2019-12-31
2019.0
8804   Looking to survive in a world taken over by zo... 2019-11-01
2019.0
8805   Dragged from civilian life, a former superhero... 2020-01-11
2020.0

[2061 rows x 14 columns]

```

Q.8. In how many movies/shows, Tom Cruise was cast

```
df[df['cast'] == 'Tom Cruise']
```

Empty DataFrame

Columns: [show\_id, type, title, director, cast, country, date\_added, release\_year, rating, duration, listed\_in, description, Date\_N, year]  
Index: []

```
#str.contains()
```

```
df[df['cast'].str.contains('Tom Cruise')]
```

```
-----
-----
ValueError                                Traceback (most recent call
last)
```

```
Input In [94], in <cell line: 2>()
```

```
1 #str.contains()
```

```
----> 2 df[df['cast'].str.contains('Tom Cruise')]
```

```
File ~\anaconda3\lib\site-packages\pandas\core\frame.py:3495, in
DataFrame.__getitem__(self, key)
```

```
3492     return self.where(key)
```

```
3494 # Do we have a (boolean) 1d indexer?
```

```
-> 3495 if com.is_bool_indexer(key):
```

```
3496     return self._getitem_bool_array(key)
```

```
3498 # We are left with two options: a single key, and a collection
```

```

of keys,
3499 # We interpret tuples as collections only for non-MultiIndex

File ~\anaconda3\lib\site-packages\pandas\core\common.py:144, in
is_bool_indexer(key)
    140     na_msg = "Cannot mask with non-boolean array containing NA
/ NaN values"
    141     if lib.infer_dtype(key) == "boolean" and isna(key).any():
    142         # Don't raise on e.g. ["A", "B", np.nan], see
    143         #
test_loc_getitem_list_of_labels_categoricalindex_with_na
--> 144         raise ValueError(na_msg)
    145     return False
    146 return True

```

ValueError: Cannot mask with non-boolean array containing NA / NaN values

*#remove null values*

df\_new = df.dropna()

df\_new

	show_id		type		title	
director \						
7	s8	Movie		Sankofa	Haile	
Gerima						
8	s9	TV Show	The Great British Baking Show	Andy		
Devonshire						
9	s10	Movie	The Starling	Theodore		
Melfi						
12	s13	Movie	Je Suis Karl	Christian		
Schwochow						
24	s25	Movie	Jeans	S.		
Shankar						
...	...	...				
...						
8801	s8802	Movie	Zinzana	Majid Al		
Ansari						
8802	s8803	Movie	Zodiac	David		
Fincher						
8804	s8805	Movie	Zombieland	Ruben		
Fleischer						
8805	s8806	Movie	Zoom	Peter		
Hewitt						
8806	s8807	Movie	Zubaan	Mozez		
Singh						

		cast \
7	Kofi Ghanaba, Oyafunmike Ogunlano, Alexandra D...	
8	Mel Giedroyc, Sue Perkins, Mary Berry, Paul Ho...	

9	Melissa McCarthy, Chris O'Dowd, Kevin Kline, T...
12	Luna Wedler, Jannis Niewöhner, Milan Peschel, ...
24	Prashanth, Aishwarya Rai Bachchan, Sri Lakshmi...
...	...
8801	Ali Suliman, Saleh Bakri, Yasa, Ali Al-Jabri, ...
8802	Mark Ruffalo, Jake Gyllenhaal, Robert Downey J...
8804	Jesse Eisenberg, Woody Harrelson, Emma Stone, ...
8805	Tim Allen, Courteney Cox, Chevy Chase, Kate Ma...
8806	Vicky Kaushal, Sarah-Jane Dias, Raaghav Chanan...

country

date\_added \

7	United States, Ghana, Burkina Faso, United Kin...	September 24,
2021		
8	United Kingdom	September 24,
2021		
9	United States	September 24,
2021		
12	Germany, Czech Republic	September 23,
2021		
24	India	September 21,
2021		
...	...	
...		
8801	United Arab Emirates, Jordan	March 9,
2016		
8802	United States	November 20,
2019		
8804	United States	November 1,
2019		
8805	United States	January 11,
2020		
8806	India	March 2,
2019		

	release_year	rating	duration \
7	1993	TV-MA	125 min
8	2021	TV-14	9 Seasons
9	2021	PG-13	104 min
12	2021	TV-MA	127 min
24	1998	TV-14	166 min
...	...	...	...
8801	2015	TV-MA	96 min
8802	2007	R	158 min
8804	2009	R	88 min
8805	2006	PG	88 min
8806	2015	TV-14	111 min

listed\_in \

7	Dramas, Independent Movies, International Movies
---	--

```

8          British TV Shows, Reality TV
9          Comedies, Dramas
12         Dramas, International Movies
24         Comedies, International Movies, Romantic Movies
...
8801        Dramas, International Movies, Thrillers
8802        Cult Movies, Dramas, Thrillers
8804        Comedies, Horror Movies
8805        Children & Family Movies, Comedies
8806        Dramas, International Movies, Music & Musicals

```

```

                                description      Date_N
year
7      On a photo shoot in Ghana, an American model s... 2021-09-24
2021.0
8      A talented batch of amateur bakers face off in... 2021-09-24
2021.0
9      A woman adjusting to life after a loss contend... 2021-09-24
2021.0
12     After most of her family is murdered in a terr... 2021-09-23
2021.0
24     When the father of the man she loves insists t... 2021-09-21
2021.0
...
...
8801   Recovering alcoholic Talal wakes up inside a s... 2016-03-09
2016.0
8802   A political cartoonist, a crime reporter and a... 2019-11-20
2019.0
8804   Looking to survive in a world taken over by zo... 2019-11-01
2019.0
8805   Dragged from civilian life, a former superhero... 2020-01-11
2020.0
8806   A scrappy but poor boy worms his way into a ty... 2019-03-02
2019.0

```

```
[5332 rows x 14 columns]
```

```
df_new[df_new['cast'].str.contains('Tom Cruise')]
```

```

   show_id  type  title  director \
341    s342  Movie  Magnolia  Paul Thomas Anderson
1254    s1255  Movie  Rain Man      Barry Levinson

```

```

                                cast      country
\
341  John C. Reilly, Philip Baker Hall, Tom Cruise,...  United States
1254  Dustin Hoffman, Tom Cruise, Valeria Golino, Ge...  United States

```



	date_added	release_year	rating	duration	\
341	August 1, 2021	1999	R	189 min	
1254	March 1, 2021	1988	R	134 min	

	listed_in	\
341	Dramas, Independent Movies	
1254	Classic Movies, Dramas	

	description	Date_N
year		
341	Through chance, history and divine interventio...	2021-08-01
2021.0		
1254	Motivated by money, a selfish workaholic seeki...	2021-03-01
2021.0		

Q.9. What are the different ratings defined by Netflix

```
#nunique()
df['rating'].nunique()

17

#unique()
df['rating'].unique()

array(['PG-13', 'TV-MA', 'PG', 'TV-14', 'TV-PG', 'TV-Y', 'TV-Y7', 'R',
      'TV-G', 'G', 'NC-17', '74 min', '84 min', '66 min', 'NR', nan,
      'TV-Y7-FV', 'UR'], dtype=object)
```

Q.9.1 How many Movies got the "TV-14" rating in Canada

```
df[(df['type'] == 'Movie') & (df['rating'] == 'TV-14')].shape

(1427, 14)

df[(df['type'] == 'Movie') & (df['rating'] == 'TV-14') &
(df['country'] == 'Canada')].shape

(13, 14)
```

Q.9.2 How many TV Show got the 'R' rating after year 2018

```
df[(df['type'] == 'TV Show') & (df['rating'] == 'R') & (df['year'] >
2018)]
```

show_id	type	title
director \		
3893 s3894	TV Show	The Hateful Eight: Extended Version
Quentin Tarantino		

cast	country	\
------	---------	---

3893	Samuel L. Jackson, Kurt Russell, Jennifer Jaso...	NaN
	date_added	release_year rating duration listed_in \
3893	April 25, 2019	2015 R 1 Season TV Shows
		description Date_N
year		
3893	Trapped at a stagecoach stop as a storm rages ...	2019-04-25
2019.0		

Q.10. What is the maximum duration of a Movies/Show on Netflix

```
df['duration'].unique()

array(['90 min', '2 Seasons', '1 Season', '91 min', '125 min',
      '9 Seasons', '104 min', '127 min', '4 Seasons', '67 min', '94
min',
      '5 Seasons', '161 min', '61 min', '166 min', '147 min', '103
min',
      '97 min', '106 min', '111 min', '3 Seasons', '110 min', '105
min',
      '96 min', '124 min', '116 min', '98 min', '23 min', '115 min',
      '122 min', '99 min', '88 min', '100 min', '6 Seasons', '102
min',
      '93 min', '95 min', '85 min', '83 min', '113 min', '13 min',
      '182 min', '48 min', '145 min', '87 min', '92 min', '80 min',
      '117 min', '128 min', '119 min', '143 min', '114 min', '118
min',
      '108 min', '63 min', '121 min', '142 min', '154 min', '120
min',
      '82 min', '109 min', '101 min', '86 min', '229 min', '76 min',
      '89 min', '156 min', '112 min', '107 min', '129 min', '135
min',
      '136 min', '165 min', '150 min', '133 min', '70 min', '84 min',
      '140 min', '78 min', '7 Seasons', '64 min', '59 min', '139
min',
      '69 min', '148 min', '189 min', '141 min', '130 min', '138
min',
      '81 min', '132 min', '10 Seasons', '123 min', '65 min', '68
min',
      '66 min', '62 min', '74 min', '131 min', '39 min', '46 min',
      '38 min', '8 Seasons', '17 Seasons', '126 min', '155 min',
      '159 min', '137 min', '12 min', '273 min', '36 min', '34 min',
      '77 min', '60 min', '49 min', '58 min', '72 min', '204 min',
      '212 min', '25 min', '73 min', '29 min', '47 min', '32 min',
      '35 min', '71 min', '149 min', '33 min', '15 min', '54 min',
      '224 min', '162 min', '37 min', '75 min', '79 min', '55 min',
      '158 min', '164 min', '173 min', '181 min', '185 min', '21
min',
      '24 min', '51 min', '151 min', '42 min', '22 min', '134 min',
```

```

'177 min', '13 Seasons', '52 min', '14 min', '53 min', '8 min',
'57 min', '28 min', '50 min', '9 min', '26 min', '45 min',
'171 min', '27 min', '44 min', '146 min', '20 min', '157 min',
'17 min', '203 min', '41 min', '30 min', '194 min', '15
Seasons',
'233 min', '237 min', '230 min', '195 min', '253 min', '152
min',
'190 min', '160 min', '208 min', '180 min', '144 min', '5 min',
'174 min', '170 min', '192 min', '209 min', '187 min', '172
min',
'16 min', '186 min', '11 min', '193 min', '176 min', '56 min',
'169 min', '40 min', '10 min', '3 min', '168 min', '312 min',
'153 min', '214 min', '31 min', '163 min', '19 min', '12
Seasons',
nan, '179 min', '11 Seasons', '43 min', '200 min', '196 min',
'167 min', '178 min', '228 min', '18 min', '205 min', '201
min',
'191 min'], dtype=object)

```

```
df.duration.dtypes
```

```
dtype('O')
```

```
df[['Minutes', 'Unit']] = df['duration'].str.split(' ', expand=True)
df
```

	show_id	type	title	director \
0	s1	Movie	Dick Johnson Is Dead	Kirsten Johnson
1	s2	TV Show	Blood & Water	NaN
2	s3	TV Show	Ganglands	Julien Leclercq
3	s4	TV Show	Jailbirds New Orleans	NaN
4	s5	TV Show	Kota Factory	NaN
...	...	...	...	...
8802	s8803	Movie	Zodiac	David Fincher
8803	s8804	TV Show	Zombie Dumb	NaN
8804	s8805	Movie	Zombieland	Ruben Fleischer
8805	s8806	Movie	Zoom	Peter Hewitt
8806	s8807	Movie	Zubaan	Mozez Singh

	cast	country
\		
0	NaN	United States
1	Ama Qamata, Khosi Ngema, Gail Mabalane, Thaban...	South Africa
2	Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabi...	NaN
3	NaN	NaN
4	Mayur More, Jitendra Kumar, Ranjan Raj, Alam K...	India

...	...	...
8802	Mark Ruffalo, Jake Gyllenhaal, Robert Downey J...	United States
8803	NaN	NaN
8804	Jesse Eisenberg, Woody Harrelson, Emma Stone, ...	United States
8805	Tim Allen, Courteney Cox, Chevy Chase, Kate Ma...	United States
8806	Vicky Kaushal, Sarah-Jane Dias, Raaghav Chanan...	India

	date_added	release_year	rating	duration	\
0	September 25, 2021	2020	PG-13	90 min	
1	September 24, 2021	2021	TV-MA	2 Seasons	
2	September 24, 2021	2021	TV-MA	1 Season	
3	September 24, 2021	2021	TV-MA	1 Season	
4	September 24, 2021	2021	TV-MA	2 Seasons	
...	...	...	...	...	
8802	November 20, 2019	2007	R	158 min	
8803	July 1, 2019	2018	TV-Y7	2 Seasons	
8804	November 1, 2019	2009	R	88 min	
8805	January 11, 2020	2006	PG	88 min	
8806	March 2, 2019	2015	TV-14	111 min	

	listed_in	\
0	Documentaries	
1	International TV Shows, TV Dramas, TV Mysteries	
2	Crime TV Shows, International TV Shows, TV Act...	
3	Docuseries, Reality TV	
4	International TV Shows, Romantic TV Shows, TV ...	
...	...	
8802	Cult Movies, Dramas, Thrillers	
8803	Kids' TV, Korean TV Shows, TV Comedies	
8804	Comedies, Horror Movies	
8805	Children & Family Movies, Comedies	
8806	Dramas, International Movies, Music & Musicals	

	description	Date_N
year \		
0	As her father nears the end of his life, filmm...	2021-09-25
2021.0		
1	After crossing paths at a party, a Cape Town t...	2021-09-24
2021.0		
2	To protect his family from a powerful drug lor...	2021-09-24
2021.0		
3	Feuds, flirtations and toilet talk go down amo...	2021-09-24
2021.0		
4	In a city of coaching centers known to train I...	2021-09-24

```

2021.0
...
...
8802 A political cartoonist, a crime reporter and a... 2019-11-20
2019.0
8803 While living alone in a spooky town, a young g... 2019-07-01
2019.0
8804 Looking to survive in a world taken over by zo... 2019-11-01
2019.0
8805 Dragged from civilian life, a former superhero... 2020-01-11
2020.0
8806 A scrappy but poor boy worms his way into a ty... 2019-03-02
2019.0

```

	Minutes	Unit
0	90	min
1	2	Seasons
2	1	Season
3	1	Season
4	2	Seasons
...	...	...
8802	158	min
8803	2	Seasons
8804	88	min
8805	88	min
8806	111	min

```
[8807 rows x 16 columns]
```

```
df.dtypes
```

```

show_id      object
type         object
title        object
director     object
cast         object
country      object
date_added   object
release_year  int64
rating       object
duration     object
listed_in    object
description   object
Date_N       datetime64[ns]
year         float64
Minutes      object
Unit         object
dtype: object

```

```
df['Minutes'] = pd.to_numeric(df['Minutes'], downcast='integer')
```

```
df['Minutes'].max()
312.0
df['Minutes'].min()
1.0
df['Minutes'].mean()
69.84688777828259
```

Q.11. Which Individual country has the highest no. of Tv Shows

```
df_tvshows = df[df['type']=='TV Show']
df_tvshows.country.value_counts()
United States      760
United Kingdom     213
Japan              169
South Korea        158
India              79
...
Belarus            1
United Kingdom, Australia 1
France, Australia, Germany 1
Australia, New Zealand, United States 1
United States, France, South Korea, Indonesia 1
Name: country, Length: 196, dtype: int64

df_tvshows.country.value_counts().head(1)
United States      760
Name: country, dtype: int64
```

Q.12 How can we sort the dataset by year

```
df.sort_values("year", ascending= False).head()
```

show_id	type	title
director \		
0 s1	Movie	Dick Johnson Is Dead Kirsten
Johnson		
996 s997	Movie	HOMUNCULUS Takashi
Shimizu		
1005 s1006	Movie	Keymon and Nani in Space Adventure
NaN		
1004 s1005	TV Show	Izzy's Koala World
NaN		
1003 s1004	TV Show	Zero
NaN		

	cast	country
\		
0	NaN	United States
996	Go Ayano, Ryo Narita, Yukino Kishii, Anna Ishi...	Japan
1005	NaN	NaN
1004	Izzy Bee, Ali Bee, Tim Bee	Australia
1003	Giuseppe Dave Seke, Haroun Fall, Beatrice Gran...	Italy

	date_added	release_year	rating	duration	\
0	September 25, 2021	2020	PG-13	90 min	
996	April 22, 2021	2021	TV-MA	116 min	
1005	April 20, 2021	2013	TV-Y	76 min	
1004	April 20, 2021	2021	TV-Y	2 Seasons	
1003	April 21, 2021	2021	TV-MA	1 Season	

	listed_in	\
0	Documentaries	
996	Horror Movies, International Movies, Thrillers	
1005	Children & Family Movies, Comedies	
1004	Kids' TV	
1003	International TV Shows, TV Comedies, TV Dramas	

	description	Date_N
year	\	
0	As her father nears the end of his life, filmm...	2021-09-25
2021.0		
996	Truth and illusion blurs when a homeless amnes...	2021-04-22
2021.0		
1005	For Rohan and his magical pal, Keymon, a trip ...	2021-04-20
2021.0		
1004	Young koala caretaker Izzy Bee and her family ...	2021-04-20
2021.0		
1003	A shy teen with the power to turn invisible mu...	2021-04-21
2021.0		

	Minutes	Unit
0	90.0	min
996	116.0	min
1005	76.0	min
1004	2.0	Seasons
1003	1.0	Season

Q.13 Find all the instances where

Category is 'Movie' and Type is 'Dramas'

or

Category is 'TV Shows' and Type is 'Kids TV'

```
df[ ((df['type'] == 'Movie') &
(df['listed_in'].str.contains('Dramas')) ) | ((df['type'] == 'TV Show')
& (df['listed_in'].str.contains("Kids' TV")) ) ]
```

	show_id	type	title \
7	s8	Movie	Sankofa
9	s10	Movie	The Starling
12	s13	Movie	Je Suis Karl
30	s31	Movie	Ankahi Kahaniya
34	s35	TV Show	Tayo and Little Wizards
...	...	...	...
8799	s8800	Movie	Zenda
8801	s8802	Movie	Zinzana
8802	s8803	Movie	Zodiac
8803	s8804	TV Show	Zombie Dumb
8806	s8807	Movie	Zubaan

	director \
7	Haile Gerima
9	Theodore Melfi
12	Christian Schwochow
30	Ashwiny Iyer Tiwari, Abhishek Chaubey, Saket C...
34	NaN
...	...
8799	Avadhoot Gupte
8801	Majid Al Ansari
8802	David Fincher
8803	NaN
8806	Mozez Singh

	cast \
7	Kofi Ghanaba, Oyafunmike Ogunlano, Alexandra D...
9	Melissa McCarthy, Chris O'Dowd, Kevin Kline, T...
12	Luna Wedler, Jannis Niewöhner, Milan Peschel, ...
30	Abhishek Banerjee, Rinku Rajguru, Delzad Hiwal...
34	Dami Lee, Jason Lee, Bommie Catherine Han, Jen...
...	...
8799	Santosh Juvekar, Siddharth Chandekar, Sachit P...
8801	Ali Suliman, Saleh Bakri, Yasa, Ali Al-Jabri, ...
8802	Mark Ruffalo, Jake Gyllenhaal, Robert Downey J...
8803	NaN
8806	Vicky Kaushal, Sarah-Jane Dias, Raaghav Chanan...



	country	
date_added \		
7	United States, Ghana, Burkina Faso, United Kin...	September 24,
2021		
9	United States	September 24,
2021		
12	Germany, Czech Republic	September 23,
2021		
30	NaN	September 17,
2021		
34	NaN	September 17,
2021		
...	...	
...		
8799	India	February 15,
2018		
8801	United Arab Emirates, Jordan	March 9,
2016		
8802	United States	November 20,
2019		
8803	NaN	July 1,
2019		
8806	India	March 2,
2019		

	release_year	rating	duration \
7	1993	TV-MA	125 min
9	2021	PG-13	104 min
12	2021	TV-MA	127 min
30	2021	TV-14	111 min
34	2020	TV-Y7	1 Season
...	...	...	...
8799	2009	TV-14	120 min
8801	2015	TV-MA	96 min
8802	2007	R	158 min
8803	2018	TV-Y7	2 Seasons
8806	2015	TV-14	111 min

	listed_in \
7	Dramas, Independent Movies, International Movies
9	Comedies, Dramas
12	Dramas, International Movies
30	Dramas, Independent Movies, International Movies
34	Kids' TV
...	...
8799	Dramas, International Movies
8801	Dramas, International Movies, Thrillers
8802	Cult Movies, Dramas, Thrillers
8803	Kids' TV, Korean TV Shows, TV Comedies

# 8806 Dramas, International Movies, Music & Musicals

	description	Date_N
year \		
7	On a photo shoot in Ghana, an American model s...	2021-09-24
2021.0		
9	A woman adjusting to life after a loss contend...	2021-09-24
2021.0		
12	After most of her family is murdered in a terr...	2021-09-23
2021.0		
30	As big city life buzzes around them, lonely so...	2021-09-17
2021.0		
34	Tayo speeds into an adventure when his friends...	2021-09-17
2021.0		
...	...	...
...		
8799	A change in the leadership of a political part...	2018-02-15
2018.0		
8801	Recovering alcoholic Talal wakes up inside a s...	2016-03-09
2016.0		
8802	A political cartoonist, a crime reporter and a...	2019-11-20
2019.0		
8803	While living alone in a spooky town, a young g...	2019-07-01
2019.0		
8806	A scrappy but poor boy worms his way into a ty...	2019-03-02
2019.0		

	Minutes	Unit
7	125.0	min
9	104.0	min
12	127.0	min
30	111.0	min
34	1.0	Season
...	...	...
8799	120.0	min
8801	96.0	min
8802	158.0	min
8803	2.0	Seasons
8806	111.0	min

[2878 rows x 16 columns]