Netflix Dataset

```
import pandas as pd
netflix = pd.read_csv('/content/netflix_titles.csv')
netflix.head(10)
```

	Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	Date_Added	year
0	s1	TV Show	3%	NaN	João Miguel, Bruno Gagliasso, Celso Frateschi, Exequiel Landa, Josh Correia, Martin Mujica, Nathalia Dill, Roberto Bomtempo, Rodrigo Santoro, Sergio Guizé	Brazil	August 14, 2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi & Fantasy	In a future where the elite inhabit an island paradise far from the crowded, littered surface dwelling masses, two young people from opposite sides of the island meet.	August 14, 2020	2020
1	s2	Movie	7:19	Jorge Michel Grau	Demián Bichir, Héctor Bonilla, Oscar Serrano, Azalia Ortiz, Octavio Isaac, Carmen Beato	Mexico	December 23, 2016	TV-MA	93 min	Dramas, International Movies	After a blackout, four strangers find themselves at a deserted convenience store. Hours later, they're still there, and they're not the only ones who've been stuck by the power outage.	December 23, 2016	2016
2	s3	Movie	23:59	Gilbert Chan	Tetsu Sakai, Chen Chung, Akira Ni, Lawrence Ng, Ka Tung Lam, Ka Ki Chow, Michael Wong, Karena Ho, Eddie Cheung, Aaron Kwok, Roger Cheung, Simon Yam, Terence Yin, Nick Cheung, Lam Suet, Lam Ka Tung, Joseph Chang, Lo Man Sum, Chrissie Chau, Lawrence Chou, Kang Yong Hua, Phantom Lim Chi Fai, Encounter Dragons, Dodo Cheng, Norman Chu, Siu Hunt, Clarkson Tse, Chi Ngai Lee	Singapore	December 21, 2018	R	90 min	Horror Movies, International Movies	When an army recruit is found dead, his fellow soldiers are forced to face a horrifying enemy that only they can see.	December 26, 2018	2018
3	s4	Movie	9	Shane Acker	Elijah Wood, John C. Reilly, Jennifer Connelly, Christopher Plummer, Martin Landau, Fred Tatasciore, Alan Oppenheimer, Tom Kenny,董	United States	September 9, 2009	PG-13	80 min	Action & Adventure, Independent Movies, Sci-Fi & Fantasy	In a post-apocalyptic world, rag-doll robots hide in fear from dangerous machines. Out of necessity, one robot assembles others like him, but their ingenuity leads to more danger.	August 16, 2021	2009
4	s5	Movie	21	Robert Luketic	Jim Sturgess, Kevin Spacey, Kate Bosworth, Aaron Yoo, Liza Lapira, Josh Gad, Sam Golzari, Navin Chowdhry, Cameron Boyd, Langley Kirkwood, Helen Carey,益智	United States	March 1, 2008	PG-13	123 min	Dramas, Independent Movies, Thrillers	Six students are recruited from MIT into an elite gambling team headed by a professor who teaches them how to count cards and beat casinos across the globe.	August 27, 2021	2008
5	s6	TV Show	21 Sarfarosh: Saragarhi 1897	NaN	Arshad Warsi, Sharman Joshi, Chinky Pinky, Naveen Kasturia, Sanjay Jagla, Mohan Agashe, Anand Tiwari, Piyush Mishra, Vipin Sharma, Akshay Oberoi, Rajesh Tailang, Vishwajeet Pradhan, Chetan Sharma, Suhaas Ahuja, Aseem Hattangady, Vishwajeet Kumar, Yashpal Sharma, Arun Bali, Gulshan Pandey, Rahul Dev, Parvin Dabas, Manoj Pahwa, Brijendra Kala, Aly Khan, Sagar Arya, Sameer Dharmadhikari, Brijesh Jadeja, Aakanksha Singh, Ashish Verma, Satish Kaushik, Neeraj Kabi, Yeshaa Chhabria, Rajveer Singh Gujjar, Pankaj Saxena, Abhishek Banerjee, Pitobash, Naveen Abadi, Rajesh Abhishek, Abhishek Chauhan, Nishant Pareek, Mayur Patil, Manish Chaudhary, Meiyang Chang, Antaran Madhav Vaish, Yuvaan Makaar, Shishir Sharma, Chittaranjan Giri	India	November 26, 2021	TV-MA	1 Season	International TV Shows, TV Dramas, TV Sci-Fi & Fantasy	In a future where the elite inhabit an island paradise far from the crowded, littered surface dwelling masses, two young people from opposite sides of the island meet.	November 26, 2021	2021
6	s7	Movie	21	Brian Klugman, Lance Hammer	Solomon Kinard, Union Kayne, Alvin Keith, Richard Biggs, Walter Addison, Charlie Bacon, Isaac Bruce, Dennis Quaid, Aaron Yoo, Liza Lapira, Ashton Kutcher, Jim Sturgess, Laurence Fishburne, Jack Davenport, Kate Bosworth, Josh Gad, Sam Golzari, Navin Chowdhry, Cameron Boyd, Langley Kirkwood, Helen Carey, 益智	United States	September 29, 2017	PG-13	97 min	Dramas, International Movies	After a blackout, four strangers find themselves at a deserted convenience store. Hours later, they're still there, and they're not the only ones who've been stuck by the power outage.	August 15, 2021	2017
7	s8	TV Show	1983	Jakob Zwerenz	Serkan Çayoğlu, Burak Çevik, Erdem Şahinbaş, Fahriye Evcen, Burak Özçivit, Fatma Toycan, Haluk Bilginer, Cem Davras, Tarık Akan, Altan Erkekli, Buğra Gülsoy, Antonio Jaramillo, Pedro Alonso, Loreto Mauleón, Jorge Lamata, Miguel Angel Muñoz, Maria Pujalte, Mamen Manzanares, Gracia Olayo, Manuel Morón, Isabel Rocatti, Belén Cuesta, María Pujalte, Fernando Cayo, Jesús Bonilla, Raúl Arévalo, Javier Gutiérrez, Pepe Ocio, Manuel Morón, Carlos Librada, Jesús Bonilla, Raúl Arévalo, Javier Gutiérrez, Pepe Ocio, Manuel Morón, Carlos Librada	Spain, Turkey	January 1, 2020	TV-MA	2 Seasons	Crime TV Shows, International TV Shows, TV Action & Adventure, TV Dramas	After the murder of a prominent businessman, the lawless residents of a coastal town can't help but suspect everyone and everything in their orbit.	January 1, 2020	2020
8	s9	TV Show	1994	Paul Boyd	Danielle Macdonald, Patricia Arquette, Antonio Jaramillo, Pedro Alonso, Loreto Mauleón, Jorge Lamata, Miguel Angel Muñoz, Maria Pujalte, Mamen Manzanares, Gracia Olayo, Manuel Morón, Isabel Rocatti, Belén Cuesta, María Pujalte, Fernando Cayo, Jesús Bonilla, Raúl Arévalo, Javier Gutiérrez, Pepe Ocio, Manuel Morón, Carlos Librada, Jesús Bonilla, Raúl Arévalo, Javier Gutiérrez, Pepe Ocio, Manuel Morón, Carlos Librada	United States, Spain	March 1, 2020	TV-MA	1 Season	Crime TV Shows, International TV Shows, TV Dramas	When an army recruit is found dead, his fellow soldiers are forced to face a horrifying enemy that only they can see.	March 26, 2020	2020
9	s10	Movie	8	Chris Sivertson	Jim Sturgess, Kevin Spacey, Kate Bosworth, Aaron Yoo, Liza Lapira, Josh Gad, Sam Golzari, Navin Chowdhry, Cameron Boyd, Langley Kirkwood, Helen Carey, 益智	United States	January 1, 2009	PG-13	109 min	Dramas, International Movies	When an army recruit is found dead, his fellow soldiers are forced to face a horrifying enemy that only they can see.	December 15, 2021	2009

10 rows × 12 columns

Getting some basic information about the dataset

```
netflix.shape
```

```
(10, 12)
```

```
netflix.info()
```

```
<class 'RangeIndex'>
RangeIndex: 10 entries, 0 to 9
Data columns (total 12 columns):
 0   Show_Id     10 non-null     object
 1   Category    10 non-null     object
 2   Title       10 non-null     object
 3   Director    8 non-null      object
 4   Cast        9 non-null      object
 5   Country     10 non-null     object
 6   Release_Date 10 non-null    object
 7   Rating      10 non-null     object
 8   Duration    10 non-null     object
 9   Type        10 non-null     object
 10  Description 10 non-null     object
 11  Date_Added  10 non-null     object
 12  year        10 non-null     int64
dtypes: int64(1), object(11)
memory usage: 960.0+ KB
```

Task1. Is there any duplicate record in this dataset? if yes,then remove the duplicate records.

```
netflix.head(2)
```

	Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	Date_Added	year
0	s1	TV Show	3%	NaN	João Miguel, Bruno Gagliasso, Celso Frateschi, Exequiel Landa, Josh Correia, Martin Mujica, Nathalia Dill, Roberto Bomtempo, Rodrigo Santoro, Sergio Guizé	Brazil	August 14, 2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi & Fantasy	In a future where the elite inhabit an island paradise far from the crowded, littered surface dwelling masses, two young people from opposite sides of the island meet.	August 14, 2020	2020
1	s2	Movie	7:19	Jorge Michel Grau	Demián Bichir, Héctor Bonilla, Oscar Serrano, Azalia Ortiz, Octavio Isaac, Carmen Beato	Mexico	December 23, 2016	TV-MA	93 min	Dramas, International Movies	After a blackout, four strangers find themselves at a deserted convenience store. Hours later, they're still there, and they're not the only ones who've been stuck by the power outage.	December 23, 2016	2016

```
netflix.duplicated()
```

```
0    False
1    False
dtype: bool
```

```
# no duplicate record in this dataset
```

```
netflix.drop_duplicates(inplace = True)
```

```
netflix.shape
```

```
(10, 12)
```

Task 2 : Is there any Null Value present in any column ? show with Heat-Map.

```
netflix.isnull()
```

	Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	Date_Added	year
0	False	False	False	False	False	False	False	False	False	False	False	False	False
1	False	False	False	False	False	False	False	False	False	False	False	False	False
2	False	False	False	False	False	False	False	False	False	False	False	False	False
3	False	False	False	False	False	False	False	False	False	False	False	False	False
4	False	False	False	False	False	False	False	False	False	False	False	False	False
5	False	False	False	False	False	False	False	False	False	False	False	False	False
6	False	False	False	False	False	False	False	False	False	False	False	False	False
7	False	False	False	False	False	False	False	False	False	False	False	False	False
8	False	False	False	False	False	False	False	False	False	False	False	False	False
9	False	False	False	True	False	False	False	False	False	False	False	False	False

```
netflix.isnull().sum()
```

```
Show_Id       0
Category      0
Title         0
Director      2
Cast          1
Country       0
Release_Date  0
Rating        0
Duration      0
Type          0
Description   0
Date_Added    0
year          0
dtype: int64
```

```
# no null value
```

```
import seaborn as sns
```

```
# import seaborn library
```

```
sns.heatmap(netflix.isnull())
```

```
# Only heat map to show null values count
```

Q.1 For 'House of Cards', what is the show id and who is the Director of this show ?

```
netflix.head(2)
```

	Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	Date_Added	year
0	s1	TV Show	3%	NaN	João Miguel, Bruno Gagliasso, Celso Frateschi, Exequiel Landa, Josh Correia, Martin Mujica, Nathalia Dill, Roberto Bomtempo, Rodrigo Santoro, Sergio Guizé	Brazil	August 14, 2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi & Fantasy	In a future where the elite inhabit an island paradise far from the crowded, littered surface dwelling masses, two young people from opposite sides of the island meet.	August 14, 2020	2020
1	s2	Movie	7:19	Jorge Michel Grau	Demián Bichir, Héctor Bonilla, Oscar Serrano, Azalia Ortiz, Octavio Isaac, Carmen Beato	Mexico	December 23, 2016	TV-MA	93 min	Dramas, International Movies	After a blackout, four strangers find themselves at a deserted convenience store. Hours later, they're still there, and they're not the only ones who've been stuck by the power outage.	December 23, 2016	2016

```
netflix[netflix.Title == 'House of Cards']
```

```
# this shows all records of a particular item in an column
```

	Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	Date_Added	year
4	s5	Movie	21	Robert Luketic	Jim Sturgess, Kevin Spacey, Kate Bosworth, Aaron Yoo, Liza Lapira, Josh Gad, Sam Golzari, Navin Chowdhry, Cameron Boyd, Langley Kirkwood, Helen Carey, 益智	United States	March 1, 2008	PG-13	123 min	Dramas, International Movies, Thrillers	Six students are recruited from MIT into an elite gambling team headed by a professor who teaches them how to count cards and beat casinos across the globe.	August 27, 2021	2008

```
netflix[netflix.Director == 'Robert Luketic']
```

```
# this shows all records of a particular string in an column
```

	Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	Date_Added	year
4	s5	Movie	21	Robert Luketic	Jim Sturgess, Kevin Spacey, Kate Bosworth, Aaron Yoo, Liza Lapira, Josh Gad, Sam Golzari, Navin Chowdhry, Cameron Boyd, Langley Kirkwood, Helen Carey, 益智	United States	March 1, 2008	PG-13	123 min	Dramas, International Movies, Thrillers	Six students are recruited from MIT into an elite gambling team headed by a professor who teaches them how to count cards and beat casinos across the globe.	August 27, 2021	2008

```
netflix[netflix.Cast == 'Kevin Spacey']
```

```
# this shows all records of a particular item in an column
```

	Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	Date_Added	year
4	s5	Movie	21	Robert Luketic	Jim Sturgess, Kevin Spacey, Kate Bosworth, Aaron Yoo, Liza Lapira, Josh Gad, Sam Golzari, Navin Chowdhry, Cameron Boyd, Langley Kirkwood, Helen Carey, 益智	United States	March 1, 2008	PG-13	123 min	Dramas, International Movies, Thrillers	Six students are recruited from MIT into an elite gambling team headed by a professor who teaches them how to count cards and beat casinos across the globe.	August 27, 2021	2008

Q.2 In which year highest number of the TV shows & movies were released? show with bar graph

```
netflix.dtypes
```

```
Show_Id       object
Category      object
Title         object
Director      object
Cast          object
Country       object
Release_Date  object
Rating        object
Duration      object
Type          object
Description   object
Date_Added    object
year          int64
dtype: object
```

```
# Release_Date is
```

	Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	Date_Added	year
0	s1	TV Show	3%	NaN	João Miguel, Bruno Gagliasso, Celso Frateschi, Exequiel Landa, Josh Correia, Martin Mujica, Nathalia Dill, Roberto Bomtempo, Rodrigo Santoro, Sergio Guizé	Brazil	August 14, 2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi & Fantasy	In a future where the elite inhabit an island paradise far from the crowded, littered surface dwelling masses, two young people from opposite sides of the island meet.	August 14, 2020	2020
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2	s3	Movie	23:59	Gilbert Chan	Tetsu Sakai, Chen Chung, Akira Ni, Lawrence Ng, Ka Tung Lam, Ka Ki Chow, Michael Wong, Karena Ho, Eddie Cheung, Aaron Kwok, Roger Cheung, Simon Yam, Terence Yin, Nick Cheung, Lam Suet, Lam Ka Tung, Joseph Chang, Lo Man Sum, Chrissie Chau, Lawrence Chou, Kang Yong Hua, Phantom Lim Chi Fai, Encounter Dragons, Dodo Cheng, Norman Chu, Siu Hunt, Clarkson Tse, Chi Ngai Lee	Singapore	December 21, 2018	R	90 min	Horror Movies, International Movies	When an army recruit is found dead, his fellow soldiers are forced to face a horrifying enemy that only they can see.	December 26, 2018	2018
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5	s6	TV Show	21 Sarfarosh: Saragarhi 1897	NaN	Arshad Warsi, Sharman Joshi, Chinky Pinky, Naveen Kasturia, Sanjay Jagla, Mohan Agashe, Anand Tiwari, Piyush Mishra, Vipin Sharma, Akshay Oberoi, Rajesh Tailang, Vishwajeet Pradhan, Chetan Sharma, Suhaas Ahuja, Aseem Hattangady, Vishwajeet Kumar, Yashpal Sharma, Arun Bali, Gulshan Pandey, Rahul Dev, Parvin Dabas, Manoj Pahwa, Brijendra Kala, Aly Khan, Sagar Arya, Sameer Dharmadhikari, Brijesh Jadeja, Aakanksha Singh, Ashish Verma, Satish Kaushik, Neeraj Kabi, Yeshaa Chhabria, Rajveer Singh Gujjar, Pankaj Saxena, Abhishek Banerjee, Pitobash, Naveen Abadi, Rajesh Abhishek, Abhishek Chauhan, Nishant Pareek, Mayur Patil, Manish Chaudhary, Meiyang Chang, Antaran Madhav Vaish, Yuvaan Makaar, Shishir Sharma, Chittaranjan Giri	India	November 26, 2021	TV-MA	1 Season	International TV Shows, TV Dramas, TV Sci-Fi & Fantasy	In a future where the elite inhabit an island paradise far from the crowded, littered surface dwelling masses, two young people from opposite sides of the island meet.	November 26, 2021	2021
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8	s9	TV Show	1994	Paul Boyd	Danielle Macdonald, Patricia Arquette, Antonio Jaramillo, Pedro Alonso, Loreto Mauleón, Jorge Lamata, Miguel Angel Muñoz, Maria Pujalte, Mamen Manzanares, Gracia Olayo, Manuel Morón, Isabel Rocatti, Belén Cuesta, María Pujalte, Fernando Cayo, Jesús Bonilla, Raúl Arévalo, Javier Gutiérrez, Pepe Ocio, Manuel Morón, Carlos Librada, Jesús Bonilla, Raúl Arévalo, Javier Gutiérrez, Pepe Ocio, Manuel Morón, Carlos Librada	United States, Spain	March 1, 2020	TV-MA	1 Season	Crime TV Shows, International TV Shows, TV Dramas	When an army recruit is found dead, his fellow soldiers are forced to face a horrifying enemy that only they can see.	March 26, 2020	2020
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10 rows × 12 columns

```
netflix.year.value_counts()
```

```
# year wise count
```

```
2020    2
2016    2
2018    2
2021    2
2017    1
2008    1
2009    1
2019    1
Name: year, dtype: int64
```

```
sns.countplot(data=netflix, x='year')
```

```
# this shows count the occurence of all indicated years in data column
```

Q.3 How many Movies &TV shows are in the datasets? Show with Bar Graph

```
netflix[:2]
```

	Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	Date_Added	year
0	s1	TV Show	3%	NaN	João Miguel, Bruno Gagliasso, Celso Frateschi, Exequiel Landa, Josh Correia, Martin Mujica, Nathalia Dill, Roberto Bomtempo, Rodrigo Santoro, Sergio Guizé	Brazil	August 14, 2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi & Fantasy	In a future where the elite inhabit an island paradise far from the crowded, littered surface dwelling masses, two young people from opposite sides of the island meet.	August 14, 2020	2020
1	s2	Movie	7:19	Jorge Michel Grau	Demián Bichir, Héctor Bonilla, Oscar Serrano, Azalia Ortiz, Octavio Isaac, Carmen Beato	Mexico	December 23, 2016	TV-MA	93 min	Dramas, International Movies	After a blackout, four strangers find themselves at a deserted convenience store. Hours later, they's still there, and they're not the only ones who've been stuck by the power outage.	December 23, 2016	2016

```
netflix.Category.value_counts
```

```
# to show all count of a column and show their count
```

```
<bound_method> Movie    6
TV Show    4
Name: Category, dtype: int64
```

```
# for visualization
```

```
sns.countplot(data=netflix, x='Category')
```

```
# to show the count of all unique values of an column in the form of bar graph
```

```
/usr/local/lib/python3.7/dist-packages/seaborn/_decorators.py:36: FutureWarning: Pass the following variable as a keyword arg: x. From version 0.12, the only valid positional arg should be data, or x and y.
  FutureWarning
<matplotlib.axes._subplots.AxesSubplot at 0x7f9f1f1d0d90>
```

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

```
Creating new column
```

```
netflix[:2]
```

	Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	Date_Added	year
0	s1	TV Show	3%	NaN	João Miguel, Bruno Gagliasso, Celso Frateschi, Exequiel Landa, Josh Correia, Martin Mujica, Nathalia Dill, Roberto Bomtempo, Rodrigo Santoro, Sergio Guizé	Brazil	August 14, 2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi & Fantasy	In a future where the elite inhabit an island paradise far from the crowded, littered surface dwelling masses, two young people from opposite sides of the island meet.	August 14, 2020	2020
1	s2	Movie	7:19	Jorge Michel Grau	Demián Bichir, Héctor Bonilla, Oscar Serrano, Azalia Ortiz, Octavio Isaac, Carmen Beato	Mexico	December 23, 2016	TV-MA	93 min	Dramas, International Movies	After a blackout, four strangers find themselves at a deserted convenience store. Hours later, they're still there, and they're not the only ones who've been stuck by the power outage.	December 23, 2016	2016

```
netflix[netflix.year == 2000]
```

```
# this shows year column is equal and show their count
```

```
Empty DataFrame
Columns: [Show_Id, Category, Title, Director, Cast, Country, Release_Date, Rating, Duration, Type, Description, Date_Added, year]
Index: []
```

```
netflix.year.value_counts()
```

```
# to show all count of all unique values of an column in the form of bar graph
```

```
2020    2
2016    2
2018    2
2021    2
2017    1
2008    1
2009    1
2019    1
Name: year, dtype: int64
```

```
sns.countplot(data=netflix, x='year')
```

Q.5 Show only the Titles of all TV shows that were released in india only.

```
netflix[:2]
```

	Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	Date_Added	year
0	s1	TV Show	3%	NaN	João Miguel, Bruno Gagliasso, Celso Frateschi, Exequiel Landa, Josh Correia, Martin Mujica, Nathalia Dill, Roberto Bomtempo, Rodrigo Santoro, Sergio Guizé	Brazil	August 14, 2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi & Fantasy	In a future where the elite inhabit an island paradise far from the crowded, littered surface dwelling masses, two young people from opposite sides of the island meet.	August 14, 2020	2020
1	s2	Movie	7:19	Jorge Michel Grau	Demián Bichir, Héctor Bonilla, Oscar Serrano, Azalia Ortiz, Octavio Isaac, Carmen Beato	Mexico	December 23, 2016	TV-MA	93 min	Dramas, International Movies	After a blackout, four strangers find themselves at a deserted convenience store. Hours later, they're still there, and they're not the only ones who've been stuck by the power outage.	December 23, 2016	2016

```
netflix[netflix.Country == 'India']
```

```
# to show all records of a particular item in an column
```

	Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	Date_Added	year
5	s6	TV Show	21 Sarfarosh: Saragarhi 1897	NaN	Arshad Warsi, Sharman Joshi, Chinky Pinky, Naveen Kasturia, Sanjay Jagla, Mohan Agashe, Anand Tiwari, Piyush Mishra, Vipin Sharma, Akshay Oberoi, Rajesh Tailang, Vishwajeet Pradhan, Chetan Sharma, Suhaas Ahuja, Aseem Hattangady, Vishwajeet Kumar, Yashpal Sharma, Arun Bali, Gulshan Pandey, Rahul Dev, Parvin Dabas, Manoj Pahwa, Brijendra Kala, Aly Khan, Sagar Arya, Sameer Dharmadhikari, Brijesh Jadeja, Aakanksha Singh, Ashish Verma, Satish Kaushik, Neeraj Kabi, Yeshaa Chhabria, Rajveer Singh Gujjar, Pankaj Saxena, Abhishek Banerjee, Pitobash, Naveen Abadi, Rajesh Abhishek, Abhishek Chauhan, Nishant Pareek, Mayur Patil, Manish Chaudhary, Meiyang Chang, Antaran Madhav Vaish, Yuvaan Makaar, Shishir Sharma, Chittaranjan Giri	India	November 26, 2021	TV-MA	1 Season	International TV Shows, TV Dramas, TV Sci-Fi & Fantasy	In a future where the elite inhabit an island paradise far from the crowded, littered surface dwelling masses, two young people from opposite sides of the island meet.	November 26, 2021	2021

```
netflix[netflix.Country == 'India'].Title[:2]
```

```
# to show only Title column
```

```
5    21 Sarfarosh: Saragarhi 1897
8                            1994
Name: Title, dtype: object
```

Q.6 Show Top 10 Directors,who gave the highest number of TV shows and Movies to Netflix?

```
netflix[:2]
```

	Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	Date_Added	year
0	s1	TV Show	3%	NaN	João Miguel, Bruno Gagliasso, Celso Frateschi, Exequiel Landa, Josh Correia, Martin Mujica, Nathalia Dill, Roberto Bomtempo, Rodrigo Santoro, Sergio Guizé	Brazil	August 14, 2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi & Fantasy	In a future where the elite inhabit an island paradise far from the crowded, littered surface dwelling masses, two young people from opposite sides of the island meet.	August 14, 2020	2020
1	s2	Movie	7:19	Jorge Michel Grau	Demián Bichir, Héctor Bonilla, Oscar Serrano, Azalia Ortiz, Octavio Isaac, Carmen Beato	Mexico	December 23, 2016	TV-MA	93 min	Dramas, International Movies	After a blackout, four strangers find themselves at a deserted convenience store. Hours later, they're still there, and they're not the only ones who've been stuck by the power outage.	December 23, 2016	2016

```
netflix.Director.value_counts()[:10]
```

```
Robert Luketic                   1
Brian Klugman, Lance Hammer      1
Chris Sivertson                  1
Gilbert Chan                     1
Jakob Zwerenz                    1
Jim Sturgess, Kevin Spacey       1
Paul Boyd                        1
Shane Acker                      1
Name: Director, dtype: int64
```

Q.7 In how many movies/shows,Tom Cruise was cast?

```
netflix[:2]
```

	Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	Date_Added	year
0	s1	TV Show	3%	NaN	João Miguel, Bruno Gagliasso, Celso Frateschi, Exequiel Landa, Josh Correia, Martin Mujica, Nathalia Dill, Roberto Bomtempo, Rodrigo Santoro, Sergio Guizé	Brazil	August 14, 2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi & Fantasy	In a future where the elite inhabit an island paradise far from the crowded, littered surface dwelling masses, two young people from opposite sides of the island meet.	August 14, 2020	2020
1	s2	Movie	7:19	Jorge Michel Grau	Demián Bichir, Héctor Bonilla, Oscar Serrano, Azalia Ortiz, Octavio Isaac, Carmen Beato	Mexico	December 23, 2016	TV-MA	93 min	Dramas, International Movies	After a blackout, four strangers find themselves at a deserted convenience store. Hours later, they're still there, and they're not the only ones who've been stuck by the power outage.	December 23, 2016	2016

```
netflix[netflix.Cast == 'Tom Cruise']
```

```
# find cast and show count
```

```
Empty DataFrame
Columns: [Show_Id, Category, Title, Director, Cast, Country, Release_Date, Rating, Duration, Type, Description, Date_Added, year]
Index: []
```

Q.8 Which individual country has the Highest No.of TV shows?

```
netflix[:2]
```

	Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	Date_Added	year
0	s1	TV Show	3%	NaN	João Miguel, Bruno Gagliasso, Celso Frateschi, Exequiel Landa, Josh Correia, Martin Mujica, Nathalia Dill, Roberto Bomtempo, Rodrigo Santoro, Sergio Guizé	Brazil	August 14, 2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi & Fantasy	In a future where the elite inhabit an island paradise far from the crowded, littered surface dwelling masses, two young people from opposite sides of the island meet.	August 14, 2020	2020
1	s2	Movie	7:19	Jorge Michel Grau	Demián Bichir, Héctor Bonilla, Oscar Serrano, Azalia Ortiz, Octavio Isaac, Carmen Beato	Mexico	December 23, 2016	TV-MA	93 min	Dramas, International Movies	After a blackout, four strangers find themselves at a deserted convenience store. Hours later, they're still there, and they're not the only ones who've been stuck by the power outage.	December 23, 2016	2016

```
netflix.Country.value_counts()[:1]
```

```
# find country and show count
```

```
United States    3
Name: Country, dtype: int64
```

```
netflix.Country.value_counts()[:1].index[0]
```

```
# to show only country name
```

```
'United States'
```

```
netflix.Country.value_counts()[:10]
```

```
United States                    3
Brazil                           1
Mexico                           1
Singapore                        1
United States, Canada            1
Spain, Turkey                    1
Spain                            1
United States, Spain, Turkey     1
India                            1
Turkey                           1
Name: Country, dtype: int64
```

```
sns.countplot(data=netflix, x='Country', order=netflix.Country.value_counts()[:10].index)
```

```
# to show top 10 country count
```


Q.9 Show the Top 10 Cast

```
netflix[:2]
```

	Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	Date_Added	year
0	s1	TV Show	3%	NaN	João Miguel, Bruno Gagliasso, Celso Frateschi, Exequiel Landa, Josh Correia, Martin Mujica, Nathalia Dill, Roberto Bomtempo, Rodrigo Santoro, Sergio Guizé	Brazil	August 14, 2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi & Fantasy	In a future where the elite inhabit an island paradise far from the crowded, littered surface dwelling masses, two young people from opposite sides of the island meet.	August 14, 2020	2020