```
[NOTE] Update on
[NOTE] Connected to D1
```

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.head(10)

	show_id	type	title	director	cast	country	date_added	release_year	rating	duration	listed_in	description
0	s1	Movie	Dick Johnson Is Kidding	Kirsten Johnson		United States	January 20, 2021	2020	PG-13	90 min	Documentaries	An father lesson has end up in the Olympics.
1	s2	TV Show	Blood & Water	Nick Murondo	Ayanda Borg, Khosi Ngema, Gail Mabalane, Thabang Molaoa, Cindy Mahlangu, Ashlee Chetty, Zolisa Xaba, Thami Mbongo, Lesle Blumenthal, Jeremy Crutchley, Rivo Nkosi, Dillon Windvogel, Natalie Ramb	South Africa	September 24, 2021	2021	TV-MA	2 Seasons	International TV Shows, TV Dramas, TV Mysteries	After crossing paths at a party, a Cape Town t
2	s3	TV Show	Ganglands	Julien Leclercq	Sami Bouajila, Tracy Gotoas, Samuel Jouy		September 24, 2021	2021	TV-MA	1 Season	Crime TV Shows, International TV Shows, TV Action	To protect his family from a powerful drug lor
3	s4	TV Show	Jailbirds New Orleans				September 24, 2021	2021	TV-MA	1 Season	Docuseries, Reality TV	Feuds, flirtations and toilet paper go down inside a
4	s5	TV Show	Kota Factory		Mayur More, Jitendra Kumar, Ranjan Raj, Alam Khan, Ahsaas Channa, Revathi Pillai, Chandan Roy, Sanjeev Bhaskar	India	September 24, 2021	2021	TV-MA	2 Seasons	International TV Shows, Romantic TV Shows, TV Comedies	In a city of coaching centers known to train I
...	...	...	...	...	...	...	...	...	...	...	...	...
8803	s8804	TV Show	Zombie Dumb			South Korea	July 18, 2019	2019	TV-Y7	2 Seasons	Kids' TV, Korean TV Shows, TV Comedies	While living alone in a spooky house, a 10-year-o
8804	s8805	Movie	Zumbiland	Ruben Fleischer	Jesse Eisenberg, Woody Harrelson, Emma Stone, Abigail Breslin	United States, Japan	November 1, 2019	2009	R	88 min	Comedies, Horror Movies	Looking to survive in a world taken over by zombies,
8805	s8806	Movie	Zoom	Peter Hewitt	Tim Allen, Courteney Cox, Chevy Chase, Kate Mara, Spencer Breslin, Rip Torn, Jack Kesy	United States	November 15, 2017	2006	PG	88 min	Children & Family Movies, Comedies	Dragged from civilian life, a former superhero
8806	s8807	Movie	Zubaan	Mozez Singh	Vicky Kaushal, Sarah-Jane Dias, Raghubir Yadav, Pravesh Rana, Hiteshwar Kaur, Kulbhushan Kharbanda, Shri Vallabh Vyas	India	March 2, 2019	2015	TV-14	111 min	Dramas, International Movies, Music & Musicals	Jhanvi, a headstrong young woman from a rich
8807	s8808	Movie	Zulu Man in Japan			Japan	September 1, 2020	2020	NR	44 min	Documentaries	In it takes him years long series his daily life in

8806 rows × 12 columns

df.info()

```
<class'pd.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
dtype: object
memory usage: 1.1+ MB
```

df.describe(include='object')

	show_id	type	title	director	cast	country	date_added	rating	duration	listed_in	description
count	8807	8807	8807	6173	7982	7976	8797	8803	8804	8807	8807
unique	8807	2	8807	4528	7692	748	1767	17	220	514	8775
top	s1	Movie	Dick Johnson Is Kidding	Rajiv Chilaka	David Attenborough	United States	January 1, 2020	TV-MA	1 Season	Documentaries	Documentary about the life of David Attenborough,
freq	1	6131	1	19	19	2818	118	2062	1793	334	4

df.describe()

	release_year
count	8807.000000
mean	2014.180354
std	8.819312
min	1925.000000
25%	2013.000000
50%	2017.000000
75%	2019.000000
max	2021.000000

df.isnull().sum()

```
show_id       0
type          0
title         0
director      2634
cast          830
country       831
date_added    10
release_year  0
rating        4
duration      3
listed_in     0
description   0
dtype: object
```

df.shape

```
(8807, 12)
```

df.columns

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

df[df['release_year']==2020].shape

```
(1032, 12)
```

df[df['release_year']==2020].head(10)

	show_id	type	title	director	cast	country	date_added	release_year	rating	duration	listed_in	description
0	s1	Movie	Dick Johnson Is Kidding	Kirsten Johnson		United States	January 20, 2021	2020	PG-13	90 min	Documentaries	An father lesson has end up in the Olympics.
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2	s3	TV Show	Ganglands	Julien Leclercq	Sami Bouajila, Tracy Gotoas, Samuel Jouy		September 24, 2021	2021	TV-MA	1 Season	Crime TV Shows, International TV Shows, TV Action	To protect his family from a powerful drug lor
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...	...	...	...	...	...	...	...	...	...	...	...	...
8803	s8804	TV Show	Zombie Dumb			South Korea	July 18, 2019	2019	TV-Y7	2 Seasons	Kids' TV, Korean TV Shows, TV Comedies	While living alone in a spooky house, a 10-year-o
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8807	s8808	Movie	Zulu Man in Japan			Japan	September 1, 2020	2020	NR	44 min	Documentaries	In it takes him years long series his daily life in

8808 rows × 12 columns

df.to_csv('netflix_clean.csv', index=False)

```
[NOTE] Commit changes to D1
```

df.to_csv('netflix_clean.csv', index=False)

```
[NOTE] Connected to D1
[NOTE] Update on
```

df.shape

```
(8807, 12)
```

df.dtypes

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type           object
title          object
director       object
cast           object
country        object
date_added     object
release_year    int64
rating         object
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listed_in      object
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(8807
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