```
[3] #First 10 values
    netflix.head(10)
```

	show_id	type	title	director	cast	country	date_added	release_year	rating	duration	listed_in	description
0	s1	Movie	Dick Johnson Is Dead	Kirsten Johnson	NaN	United States	September 25, 2021	2020	PG-13	90 min	Documentaries	As her father nears the end of his life, filmm...
1	s2	TV Show	Blood & Water	NaN	Ama Qamata, Khosi Ngema, Gail Mabalane, Thaban...	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, Nabi...	NaN	September 24, 2021	2021	TV-MA	1 Season	Crime TV Shows, International TV Shows, TV Act...	To protect his family from a powerful drug lor...
3	s4	TV Show	Jailbirds New Orleans	NaN	NaN	NaN	September 24, 2021	2021	TV-MA	1 Season	Docuseries, Reality TV	Feuds, flirtations and toilet talk go down amo...
4	s5	TV Show	Kota Factory	NaN	Mayur More, Jitendra Kumar, Ranjan Raj, Alam K...	India	September 24, 2021	2021	TV-MA	2 Seasons	International TV Shows, Romantic TV Shows, TV ...	In a city of coaching centers known to train l...
5	s6	TV Show	Midnight Mass	Mike Flanagan	Kate Siegel, Zach Gilford, Hamish Linklater, H...	NaN	September 24, 2021	2021	TV-MA	1 Season	TV Dramas, TV Horror, TV Mysteries	The arrival of a charismatic young priest brin...
6	s7	Movie	My Little Pony: A New Generation	Robert Cullen, José Luis Ucha	Vanessa Hudgens, Kimiko Glenn, James Marsden, ...	NaN	September 24, 2021	2021	PG	91 min	Children & Family Movies	Equestria's divided. But a bright-eyed hero be...
7	s8	Movie	Sankofa	Haile Gerima	Kofi Ghanaba, Oyafunmike Ogunlano, Alexandra D...	United States, Ghana, Burkina Faso, United Kin...	September 24, 2021	1993	TV-MA	125 min	Dramas, Independent Movies, International Movies	On a photo shoot in Ghana, an American model s...
8	s9	TV Show	The Great British Baking Show	Andy Devonshire	Mel Giedroyc, Sue Perkins, Mary Berry, Paul Ho...	United Kingdom	September 24, 2021	2021	TV-14	9 Seasons	British TV Shows, Reality TV	A talented batch of amateur bakers face off in...
9	s10	Movie	The Starling	Theodore Melfi	Melissa McCarthy, Chris O'Dowd, Kevin Kline, T...	United States	September 24, 2021	2021	PG-13	104 min	Comedies, Dramas	A woman adjusting to life after a loss contend...

```
[4] #Shape of the dataset
    netflix.shape

    (8807, 12)
```

```
[5] #Print the name of columns
    netflix.columns

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

```
[6]  #Check for NULL Values
     netflix.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
```

```
[7]  #Check unique values
     netflix.nunique()

     show_id         8807
     type               2
     title           8807
     director        4528
     cast            7692
     country          748
     date_added      1767
     release_year      74
     rating            17
     duration         220
     listed_in        514
     description     8775
     dtype: int64
```
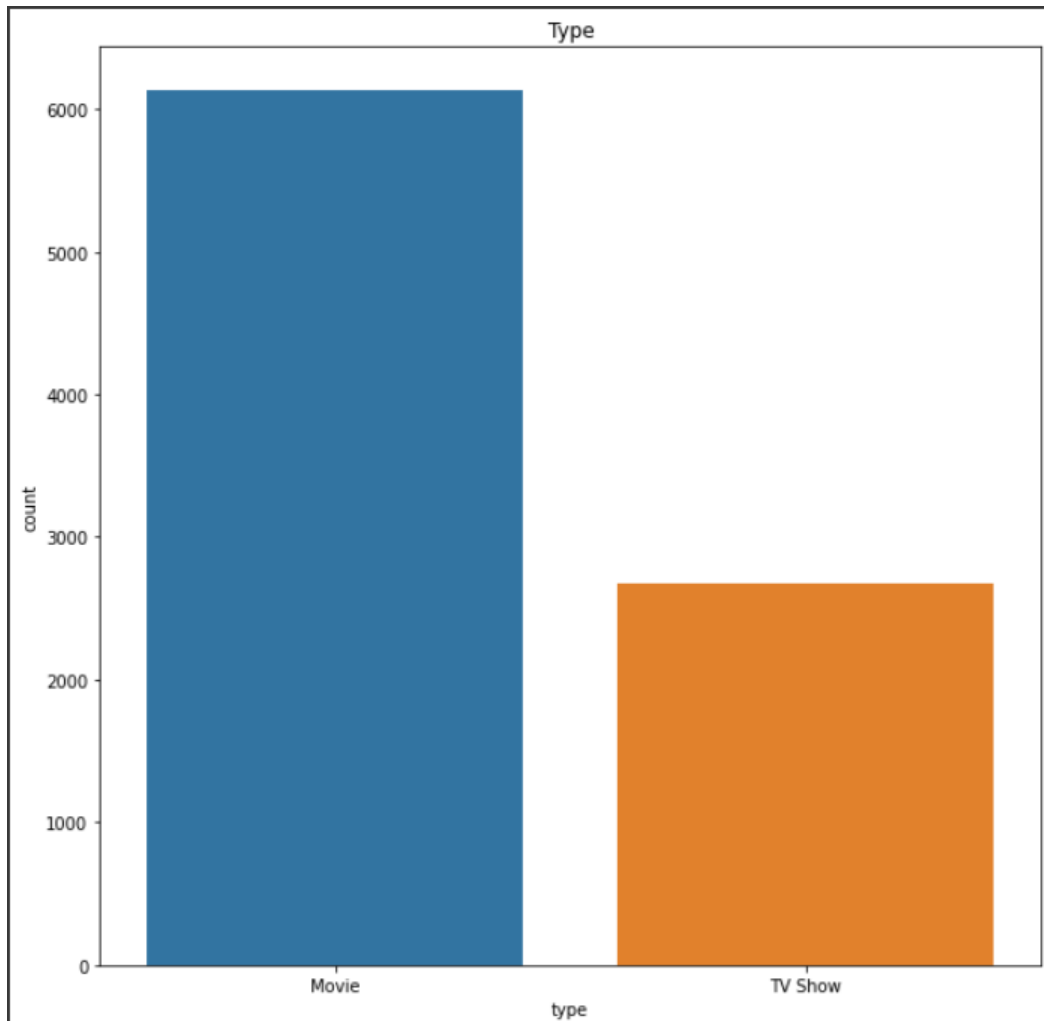
```
[8]  #Check for Duplicate values
     netflix.duplicated().sum()

     0
```
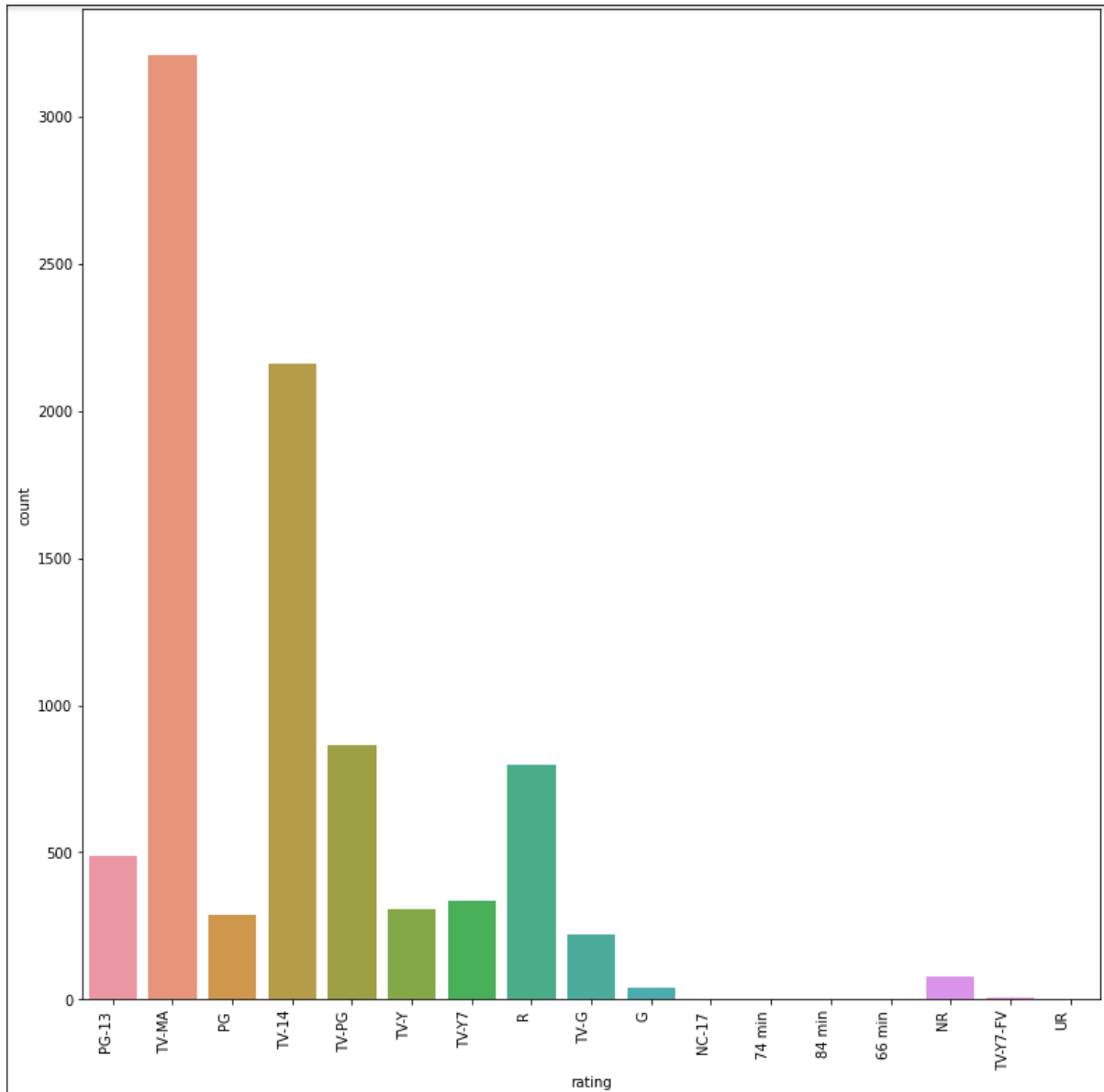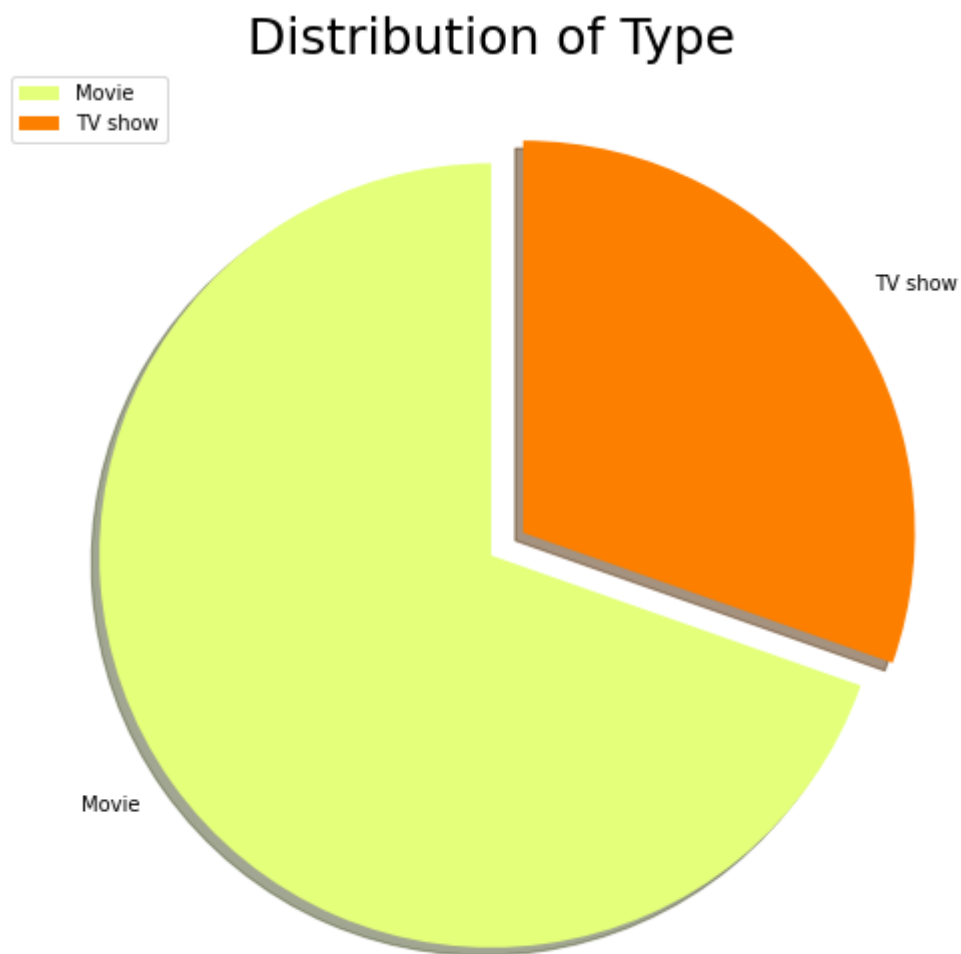
```
#Type: Movie and TV Shows

sns.countplot(netflix['type'])
fig = plt.gcf()
fig.set_size_inches(10,10)
plt.title('Type')
```
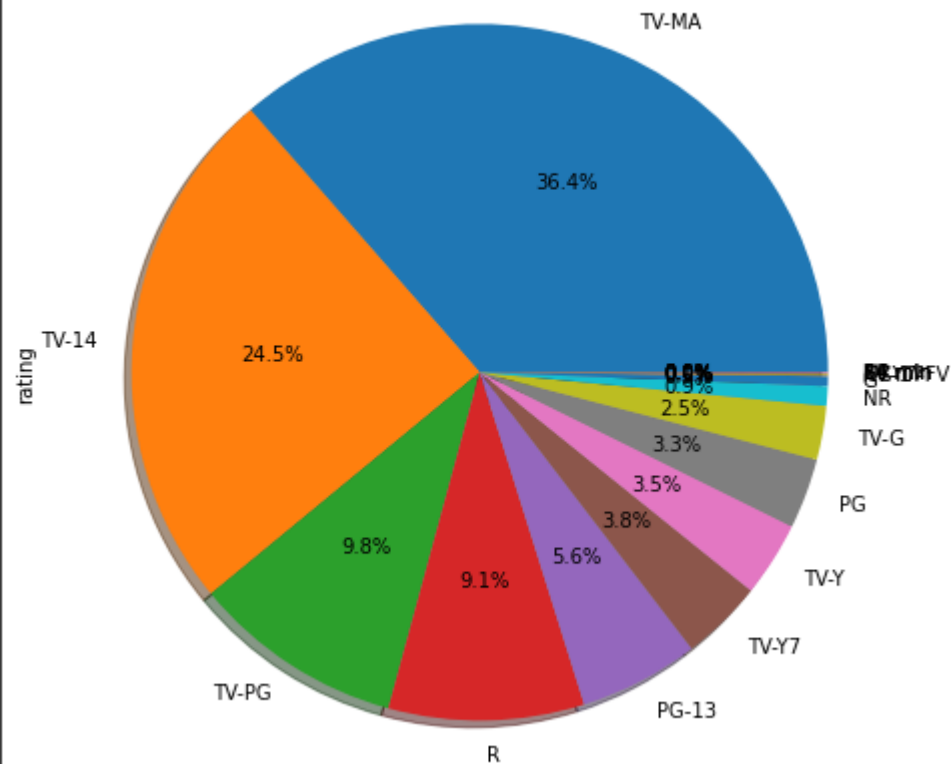
```
#Rating of shows and movies
sns.countplot(netflix['rating'])
sns.countplot(netflix['rating']).set_xticklabels(sns.countplot(netflix['rating']).get_xticklabels(), rotation=90, ha="right")
fig = plt.gcf()
fig.set_size_inches(13,13)
plt.title('Rating')
```

```
#Pie-chart for the Type: Movie and TV Shows
labels = ['Movie', 'TV show']
size = netflix['type'].value_counts()
colors = plt.cm.Wistia(np.linspace(0, 1, 2))
explode = [0, 0.1]
plt.rcParams['figure.figsize'] = (9, 9)
plt.pie(size,labels=labels, colors = colors, explode = explode, shadow = True, startangle = 90)
plt.title('Distribution of Type', fontsize = 25)
plt.legend()
plt.show()
```

Distribution of Type

```
#Pie-chart for Rating
netflix['rating'].value_counts().plot.pie(autopct='%1.1f%%',shadow=True,figsize=(10,8))
plt.show()
```



```
[17] df = netflix.copy()
```

```
[29] #WORDCLOUD
     from wordcloud import WordCloud
```

```
#Categories

plt.subplots(figsize=(25,15))
wordcloud = WordCloud(
                          background_color='white',
                          width=1920,
                          height=1080
                      ).generate(" ".join(df.listed_in))
plt.imshow(wordcloud)
plt.axis('off')
plt.savefig('category.png')
plt.show()
```