

In [185]:

```
import pandas as pd
```

In [186]:

```
box = pd.read_csv("D:\KSR\Python\Assignments\Assignment_3\SQPY_Boxoffice_Project_ADEoct24
```

In [187]:

```
box.head(5)
```

Out[187]:

	FilmID
0	34
1	36
2	225
3	13
4	31

In [188]:

```
dir = pd.read_csv("D:\KSR\Python\Assignments\Assignment_3\SQPY_Boxoffice_Project_ADEoct24
```

In [189]:

```
dir.columns = dir.columns.str.replace(' ', '')
```

In [190]:

```
dir.head(5)
```

Out[190]:

	Director
0	Rajkumar Hirani
1	Farah Khan
2	Sajid Nadiadwala
3	Siddharth Anand
4	Rohit Shetty

In [191]:

```
gen = pd.read_csv("D:\KSR\Python\Assignments\Assignment_3\SQPY_Boxoffice_Project_ADEoct24
```

In [192]:

```
gen.head(5)
```

Out[192]:

	Genre

0	Comedy, Drama, Sci-Fi
1	Action, Comedy, Crime, Drama, Music
2	Action, Comedy, Crime, Thriller
3	Action, Adventure, Comedy, Musical, Romance, T...
4	Action, Crime, Drama

In [193]:

```
lan = pd.read_csv("D:\KSR\Python\Assignments\Assignment_3\SQPY_Boxoffice_Project_ADEoct24
```

In [194]:

```
lan.head(5)
```

Out[194]:

	Language
0	Hindi
1	Tamil
2	Telugu
3	Kannada
4	Malayalam

In [197]:

```
box.columns = box.columns.str.replace(' ', '_')
```

In [198]:

```
box.columns
```

Out[198]:

```
Index(['FilmID', 'Title', 'Release_Date', 'DirectorID', 'Lead_Actor/Actress',
       'LanguageID', 'Industry', 'GenreID', 'Budget_in_Crores',
       'First_Day_Collection_Worldwide_in_Crores',
       'Worldwide_Collection_in_Crores', 'Overseas_Collection_in_Crores',
       'India_Gross_Collection_in_Crores', 'Verdict', 'IMDb_Rating',
       'Runtime_(mins)', 'OTT_Platform'],
      dtype='object')
```

In [195]:

```
#1 Write a query to get Total films released ?
```

In [15]:

```
box['FilmID'].count()
```

Out[15]:

```
np.int64(604)
```

In [16]:

```
#2 Write a query to get Total budget ?
```

In [201]:

```
box["Budget_in_Crores"] = pd.to_numeric(box["Budget_in_Crores"], errors="coerce")
```

In [43]:

```
box["Budget in Crores"].sum()
```

Out[43]:

```
np.float64(34071.0)
```

In [48]:

```
#3 Write a query to get Total worldwide collection ?
```

In [202]:

```
box["Worldwide_Collection__in_Crores"] = pd.to_numeric(box["Worldwide_Collection__in_Crор"], errors="coerce")
```

In [203]:

```
box["Worldwide_Collection__in_Crores"].sum()
```

Out[203]:

```
np.float64(78261.98999999999)
```

In [204]:

```
#4 Write a query to get Total First day collection worldwide ?
```

In [205]:

```
box["First_Day_Collection_Worldwide__in_Crores"] = pd.to_numeric(box["First_Day_Collection_Worldwide__in_Crores"], errors="coerce")
```

In [206]:

```
box["First_Day_Collection_Worldwide__in_Crores"].sum()
```

Out[206]:

```
np.float64(10850.86999999999)
```

In [68]:

```
#5 Write a query to get Total Overseas collection ?
```

In [207]:

```
box["Overseas_Collection_in_Crores"] = pd.to_numeric(box["Overseas_Collection_in_Crores"])
```

In [208]:

```
box["Overseas_Collection_in_Crores"].sum()
```

Out[208]:

```
np.float64(20701.57)
```

In [71]:

```
#6 Write a query to get Total India Gross collection ?
```

In [209]:

```
box["India_Gross_Collection_in_Crores"] = pd.to_numeric(box["India_Gross_Collection_in_Cr
```

In [210]:

```
box["India_Gross_Collection_in_Crores"].sum()
```

Out[210]:

```
np.float64(58678.8)
```

In [75]:

```
#7 Top 10 filmsbased on world wide collections. Display films,collections ?
```

In [211]:

```
box.sort_values('Worldwide_Collection__in_Crores', ascending = False)[['Title','Worldwide
```

Out[211]:

	Title
524	Dangal
396	Bāhubali 2: The Conclusion
45	RRR (Rise Roar Revolt)
149	K. G. F: Chapter 2
572	Jawan
573	Pathaan

126	Kalki 2898-AD
503	Bajrangi Bhaijaan
114	Animal
46	Secret Superstar

In [78]:

```
#8 Total Number of films released by year
```

In [212]:

```
box['Release_Date'] = pd.to_datetime(box['Release_Date'], format="%d-%b-%y", errors = "co
```

In [213]:

```
box['Year']=box['Release_Date'].dt.year
```

In [214]:

```
box.groupby('Year')[['FilmID']].count().sort_values('Year', ascending = True)
```

Out[214]:

	FilmID
Year	
2014	32
2015	32
2016	41
2017	72
2018	71
2019	74
2020	27
2021	31
2022	80
2023	79
2024	65

In [89]:

```
#9 Top 10 films based on india collections. Display films, collections
```

In [215]:

```
box.sort_values('First_Day_Collection_Worldwide_in_Crores', ascending = False)[['Title',
```

Out[215]:

	Title
45	RRR (Rise Roar Revolt)
396	Bāhubali 2: The Conclusion
126	Kalki 2898-AD
149	K. G. F: Chapter 2

212	Salaar: Part 1 – Ceasefire
116	Leo
455	Devara: Part 1
572	Jawan
213	Adipurush
114	Animal

In [93]:

```
#10 Top 10 filmsbased on overses collections. Display films, collections
```

In [94]:

```
box.sort_values('Overseas_Collection_in_Crores', ascending = False)[['Title','Overseas_Co
```

Out[94]:

	Title
524	Dangal
46	Secret Superstar
503	Bajrangi Bhaijaan
572	Jawan
573	Pathaan
396	Bāhubali 2: The Conclusion
45	RRR (Rise Roar Revolt)
460	PK
126	Kalki 2898–AD
114	Animal

In [95]:

```
#11 Top 10 filmsbased on firstday collections. Display films, collections
```

In [96]:

```
box.sort_values('First_Day_Collection_Worldwide__in_Crores', ascending = False)[['Title',
```

Out[96]:

	Title
45	RRR (Rise Roar Revolt)
396	Bāhubali 2: The Conclusion
126	Kalki 2898–AD
149	K. G. F: Chapter 2
212	Salaar: Part 1 – Ceasefire
116	Leo
455	Devara: Part 1
572	Jawan
213	Adipurush
114	Animal

In [97]:

#12 Weekday wise films released, Display week name and no of films released

In [216]:

```
box['Weekname'] = box['Release_Date'].dt.day_name()
```

In [107]:

```
box.groupby('Weekname')[['FilmID']].count().rename(columns = {'FilmID': 'No. of_films'})
```

Out[107]:

Weekname	No. of_films
Friday	423
Saturday	10
Sunday	7
Thursday	124
Tuesday	5
Wednesday	35

In [108]:

#13 Write a query to get OTT platform wise movies count

In [217]:

```
box['OTT_Platform'].unique()
```

Out[217]:

```
array(['Netflix', 'ZEE5', 'Disney+ Hotstar', 'Amazon Prime Video',
       'Aha ', 'Google Play Movies', 'Amazon Prime Video ',
       'Disney+ Hotstar ', 'Netflix ', 'Sun NXT', 'ZEE5 ', 'Sun NXT ',
       'Amazon Prime Video ', 'SonyLIV ', 'Netflix ', 'Voot ',
       'Disney+ Hotstar ', 'aha ', 'ZEE5 ', 'SonyLIV', 'ZEE5      ',
       'JioCinema', 'Aha'], dtype=object)
```

In [218]:

```
box['OTT_Platform'] = box['OTT_Platform'].str.replace('Amazon Prime Video', 'Amazon Prime')
box['OTT_Platform'] = box['OTT_Platform'].str.replace('Aha ', 'Aha')
box['OTT_Platform'] = box['OTT_Platform'].str.replace('Disney+ Hotstar', 'Disney+Hotstar')
box['OTT_Platform'] = box['OTT_Platform'].str.replace('Disney+ Hotstar ', 'Disney+Hotstar')
box['OTT_Platform'] = box['OTT_Platform'].str.replace('Netflix ', 'Netflix')
box['OTT_Platform'] = box['OTT_Platform'].str.replace('ZEE5 ', 'ZEE5')
box['OTT_Platform'] = box['OTT_Platform'].str.replace('Sun NXT ', 'Sun NXT')
box['OTT_Platform'] = box['OTT_Platform'].str.replace('Amazon Prime Video', 'Amazon Prime')
box['OTT_Platform'] = box['OTT_Platform'].str.replace('SonyLIV ', 'SonyLIV')
box['OTT_Platform'] = box['OTT_Platform'].str.replace('Netflix ', 'Netflix')
box['OTT_Platform'] = box['OTT_Platform'].str.replace('Voot ', 'Voot')
```

```
box['OTT_Platform'] = box['OTT_Platform'].str.replace('Disney+ Hotstar ', 'Disney+Hotstar')
box['OTT_Platform'] = box['OTT_Platform'].str.replace('aha ', 'Aha')
box['OTT_Platform'] = box['OTT_Platform'].str.replace('ZEE5 ', 'ZEE5')
box['OTT_Platform'] = box['OTT_Platform'].str.replace('ZEE5      ', 'ZEE5')
```

In [219]:

```
box['OTT_Platform'].unique()
```

Out[219]:

```
array(['Netflix', 'ZEE5', 'Disney+Hotstar', 'Amazon Prime Video', 'Aha',
       'Google Play Movies', 'Disney+Hotstar ', 'Sun NXT', 'Sun NXT ',
       'SonyLIV ', 'Netflix ', 'Voot', 'Disney+Hotstar ', 'SonyLIV',
       'ZEE5  ', 'JioCinema'], dtype=object)
```

In [220]:

```
box.groupby('OTT_Platform')[['Title']].count().rename(columns = {'Title':'No.of_films'}).
```

Out[220]:

OTT_Platform	No. of films
Amazon Prime Video	384
Netflix	74
Disney+Hotstar	43
ZEE5	38
Netflix	25
Sun NXT	9
Disney+Hotstar	9
Aha	8
JioCinema	3
SonyLIV	3
Sun NXT	2
Disney+Hotstar	2
Google Play Movies	1
SonyLIV	1
Voot	1
ZEE5	1

In [131]:

```
#14 Top 10 Directors by films released
```

In [137]:

```
box_dir = pd.merge(box, dir, on ='DirectorID', how='inner')
```

In [140]:

```
box_dir.groupby('Director')[['FilmID']].count().sort_values('FilmID', ascending = False).
```

Out[140]:

Director	FilmID
Trivikram Srinivas	6
Rohit Shetty	6
A. R. Murugadoss	5
Siva	5
Anil Ravipudi	5
Boyapati Srinu	5
Koratala Siva	5
Remo D' Souza	4
Sukumar	4
Siddharth Anand	4

In [141]:

```
#15 Top 10 directors by world wide collection
```

In [144]:

```
box_dir.groupby('Director')[['Worldwide_Collection_in_Crores']].count().sort_values('Wor
```

Out[144]:

Director	Worldwide_Collection_in_Crores
A. R. Murugadoss	5
Anil Ravipudi	5
Trivikram Srinivas	5
Siva	5
Rohit Shetty	5
Boyapati Srinu	5
Koratala Siva	5
Venky Atluri	4
Sundar C.	4
Siddharth Anand	4

In [145]:

```
#16 Top10 lead actors by world wide collection
```

In [147]:

```
box.groupby('Lead_Actor/Actress')[['Worldwide_Collection_in_Crores']].count().sort_value
```

Out[147]:

Lead_Actor/Actress	Worldwide_Collection_in_Crores
Akshay Kumar	21
Ajay Devgn	13

Mammootty	13
Joseph Vijay	12
Nani	12
Mohanlal	12
Dhanush	12
Salman Khan	12
Sivakarthikeyan	11
Rajinikanth	10

In [148]:

#17 Top 10 movies by IMDb rating

In [322]:

```
box.sort_values('IMDb_Rating', ascending = False)[['IMDb_Rating', 'Title']].head(10)
```

Out[322]:

	IMDb_Rating
121	8.8
83	8.7
316	8.7
140	8.6
79	8.6
350	8.5
84	8.5
204	8.5
135	8.5
25	8.5

In [151]:

#18 Bottom 10 movies by IMDb rating

In [325]:

```
box[['IMDb_Rating', 'Title']].sort_values('IMDb_Rating', ascending = True).head(10)
```

Out[325]:

	IMDb_Rating
468	1.9
491	2.2
571	2.2
496	2.3
417	2.6
338	2.6
478	2.7
213	2.7
565	3
495	3.1

In [157]:

```
#19 Write a query to get 5 longest run time movies
```

```
In [163]:
```

```
box.sort_values('Runtime_(mins)', ascending = False)[['Title', 'Runtime_(mins)']].head(5)
```

```
Out[163]:
```

	Title
114	Animal
39	I
45	RRR (Rise Roar Revolt)
103	Avane Srimannarayana
201	Kurukshetra

```
In [164]:
```

```
#20 Write a query to get 5 shortest run time movies
```

```
In [221]:
```

```
box.sort_values('Runtime_(mins)', ascending = True)[['Title', 'Runtime_(mins)']].head(5)
```

```
Out[221]:
```

	Title
599	Kill
497	Raksha Bandhan
560	Bhoot: Part One – The Haunted Ship
514	Bareilly Ki Barfi
407	The Ghazi Attack

```
In [167]:
```

```
#21 Top7 movies by world wide collection in Bollywood
```

```
In [222]:
```

```
box.query('Industry == "Bollywood"').sort_values('Worldwide_Collection_in_Crores', ascen
```

```
Out[222]:
```

	Title
524	Dangal
572	Jawan
573	Pathaan
503	Bajrangi Bhaijaan
114	Animal
46	Secret Superstar
127	Stree 2: Sarkate Ka Aatank

```
In [174]:
```

```
#22 Top7 movies by world wide collection in Tollywood
```

In [175]:

```
box.query('Industry == "Tollywood"').sort_values('Worldwide_Collection_in_Crores', ascen
```

Out[175]:

	Title
396	Bāhubali 2: The Conclusion
45	RRR (Rise Roar Revolt)
126	Kalki 2898-AD
397	Bāhubali: The Beginning
212	Salaar: Part 1 – Ceasefire
200	Saaho
455	Devara: Part 1

In [176]:

```
#23 Top7 movies by world wide collection in Kollywood
```

In [177]:

```
box.query('Industry == "Kollywood"').sort_values('Worldwide_Collection_in_Crores', ascen
```

Out[177]:

	Title
285	2
116	Leo
117	Jailer
77	Ponniyin Selvan: Part One
343	The GOAT
74	Vikram
333	Ponniyin Selvan: Part Two

In [178]:

```
#24 Top7 movies by world wide collection in Sandalwood
```

In [179]:

```
box.query('Industry == "Tollywood"').sort_values('Worldwide_Collection_in_Crores', ascen
```

Out[179]:

	Title
396	Bāhubali 2: The Conclusion
45	RRR (Rise Roar Revolt)
126	Kalki 2898-AD
397	Bāhubali: The Beginning
212	Salaar: Part 1 – Ceasefire
200	Saaho
455	Devara: Part 1

In [180]:

```
#25 Top7 movies by world wide collection in Mollywood
```

```
In [181]:
```

```
box.query('Industry == "Mollywood"').sort_values('Worldwide_Collection_in_Crores', ascending=False)[[
```

```
Out[181]:
```

	Title
245	Manjummel Boys
217	2018
129	The Goat Life
130	Aavesham
177	Pulimurugan
132	Premalu
98	Lucifer

```
In [182]:
```

```
#26 Write query to display industry and verdict wise films count
```

```
In [223]:
```

```
box.groupby(['Verdict', 'Industry'])[['FilmID']].count()
```

```
Out[223]:
```

	Verdict	Industry
Below Average		Kollywood
: Super Hit		Bollywood
: Above Average		Bollywood
		Tollywood
: All Time Blockbuster		Mollywood
...		...
Super Hit		Mollywood
		Sandalwood
		Tollywood
Super Hitt		Bollywood
		Tollywood

```
69 rows × 1 columns
```

```
In [184]:
```

```
#27 Write query to get films based on budget in Bollowood
```

```
In [224]:
```

```
box.query('Industry == "Bollywood"').sort_values('Budget_in_Crores', ascending=False)[[
```

Out[224]:

	Title
544	Brahmastra Part One: Shiva
572	Jawan
484	Thugs of Hindostan
573	Pathaan
591	Bade Miyan Chote Miyan
...	...
569	Manikarnika: The Queen of Jhansi
567	Kesari
152	Golmaal Again
166	Fukrey Returns
176	M. S. Dhoni: The Untold Story

182 rows × 2 columns

In [226]:

```
#28 Write query to get films based on budget in Tollywood#
```

In [227]:

```
box.query('Industry == "Tollywood"').sort_values('Budget_in_Crores', ascending = False)[]
```

Out[227]:

	Title
45	RRR (Rise Roar Revolt)
126	Kalki 2898-AD
213	Adipurush
427	Radhe Shyam
212	Salaar: Part 1 – Ceasefire
...	...
146	Agnyaathavaasi
154	Bruce Lee: The Fighter
160	Taxiwaala
164	Khaidi No. 150
353	Yevadu

166 rows × 2 columns

In [246]:

```
#29 Write query to get films based on budget in Kollywood
```

In [247]:

```
box.query('Industry == "Kollywood"').sort_values('Budget_in_Crores', ascending = False)[]
```

Out[247]:

	Title
285	2
343	The GOAT
116	Leo
77	Ponniyin Selvan: Part One
333	Ponniyin Selvan: Part Two
...	...
85	Love Today
113	LKG
142	Vaazhai
125	Dada
153	Velaiilla Pattadhari 2

140 rows × 2 columns

In [248]:

```
#30 Write query to get films based on budget in Sandalwood
```

In [249]:

```
box.query('Industry == "Sandalwood"').sort_values('Budget_in_Crores', ascending = False) [
```

Out[249]:

	Title
149	K. G. F: Chapter 2
187	VR (Vikrant Rona)
230	Kabzaa
201	Kurukshtetra
148	K. G. F: Chapter 1
225	Kaatera
155	The Villain
188	James
228	Kranti
202	Pailwaan
181	Roberrt
183	Kotigobba 3
103	Avane Srimannarayana
145	Yuvarathnaa
182	Pogaru
108	Yajamana
57	Hebbuli
235	Ghost
237	Sapta Sagaradaache Ello: Side A
203	Natasaarvabhowma
169	Anjaniputra
171	Chakravarthy
144	Raa jakumara
186	Kantara

4	Maanikya
207	Odeya
83	777 Charlie
36	Tagaru
185	Salaga
255	Bheema
156	Mr. And Mrs. Ramchari
13	Ugramm

In [250]:

#31 Write query to get films based on budget in Mollywood

In [251]:

```
box.query('Industry == "Mollywood"').sort_values('Budget_in_Crores', ascending = False)[]
```

Out[251]:

	Title
178	Marakkar: Lion of the Arabian Sea
252	Malaikottai Vaaliban
129	The Goat Life
159	Odiyan
231	King of Kotha
...	...
42	Sudani from Nigeria
147	Bangalore Days
161	Koode
174	Charlie
179	Jacobinte Swargarajyam

84 rows × 2 columns

In [252]:

#32 Top 5 movies by IMDb rating from Bollowood

In [254]:

```
box.query('Industry == "Bollywood"').sort_values('IMDb_Rating', ascending = False)[['Title', 'Rating']]
```

Out[254]:

	Title
121	12th Fail
79	The Kashmir Files
512	Sachin
602	Laapataa Ladies
524	Dangal

In [255]:

```
#33 Top 5 movies by IMDb rating from Kollywood
```

```
In [256]:
```

```
box.query('Industry == "Kollywood"]').sort_values('IMDb_Rating', ascending = False)[['Titl
```

```
Out[256]:
```

	Title
316	Rocketry: The Nambi Effect
25	96
135	Maharaja
350	Meiyazhagan
51	Thani Oruvan

```
In [257]:
```

```
#34 Top 5 movies by IMDb rating from Tollywood
```

```
In [258]:
```

```
box.query('Industry == "Tollywood"]').sort_values('IMDb_Rating', ascending = False)[['Titl
```

```
Out[258]:
```

	Title
84	Sita Ramam
437	Jersey
35	Mahanati
360	Rangasthalam
226	Hi Nanna

```
In [259]:
```

```
#35 Top 5 movies by IMDb rating from Sandalwood
```

```
In [260]:
```

```
box.query('Industry == "Sandalwood"]').sort_values('IMDb_Rating', ascending = False)[['Titl
```

```
Out[260]:
```

	Title
83	777 Charlie
148	K. G. F: Chapter 1
149	K. G. F: Chapter 2
186	Kantara
237	Sapta Sagaradaache Ello: Side A

```
In [261]:
```

```
#36 Top 5 movies by IMDb rating from Mollywood
```

```
In [262]:
```

```
box.query('Industry == "Mollywood"').sort_values('IMDb_Rating', ascending = False)[['Title
```

Out[262]:

	Title
140	Kishkindha Kaandam
204	Kumbalangi Nights
147	Bangalore Days
173	Premam
217	2018

In [263]:

```
#37 Write a query to get language wise budget?
```

In [264]:

```
box_lan = pd.merge(box, lan, on='LanguageID', how='inner')
```

In [269]:

```
box_lan.groupby('Language')[['Budget_in_Crores']].sum().sort_values('Budget_in_Crores', ascending = False).rename(columns = {'Budget_in_Crores':'TotalBudget'})
```

Out[269]:

Language	TotalBudget
Hindi	13640
Tamil	8400
Telugu	7232.5
Malayalam	1189.5
Kannada	866

In [270]:

```
#38 Write a query to get language wise how many directors are there?
```

In [272]:

```
box_dir_lan = pd.merge(box_dir, lan, on = 'LanguageID', how='inner')
```

In [275]:

```
box_dir_lan.groupby('Language')[['Director']].count()
```

Out[275]:

Language	Director
Hindi	172
Kannada	28
Malayalam	71
Tamil	136

In [276]:

```
#39 Write a query to get language wise worldwide total collection ?
```

In [278]:

```
box_lan.groupby('Language')[['Worldwide_Collection_in_Crores']].sum().sort_values('World
```

Out[278]:

	Worldwide_Collection_in_Crores
Language	
Hindi	36809.07
Tamil	14743.63
Telugu	14550.41
Malayalam	3830.09
Kannada	3217.67

In [279]:

```
#40 Write a query to get language, lead actor/actress wise films they acted?
```

In [287]:

```
box_lan[['Language', 'Lead_Actor/Actress', 'Title']].sort_values('Language', ascending= Tru
```

Out[287]:

	Language
0	Hindi
450	Hindi
449	Hindi
448	Hindi
447	Hindi
...	...
393	Telugu
394	Telugu
395	Telugu
384	Telugu
344	Telugu

544 rows × 3 columns

In [288]:

```
#41 Write a query to get language, year wise films released?
```

In [315]:

```
box_lan.groupby(['Year', 'Title'])[['Language']].sum().sort_values(['Year', 'Language'], asc
```

Out[315]:

	Year	Title
2014		2 States
		Action Jackson
		Bang Bang
		Ek Villain
		Gunday
2024		...
		Hanu Man
		Kalki 2898-AD
		Naa Saami Ranga
		Saripodhaa Sanivaaram
		Tillu Square

544 rows × 1 columns

In [300]:

#42 Write a query to get films which was not released on overseas?

In [304]:

```
box.query('Overseas_Collection_in_Crores == 0')[['Title']]
```

Out[304]:

	Title
4	Maanikya
13	Ugramm
36	Tagaru
57	Hebbuli
169	Anjaniputra
171	Chakravarthy
446	118

In [305]:

#43 Write a query to get language wise top 3 longest runtime moves?

In [314]:

```
box_lan.groupby(['Language','Title'])[['Runtime_(mins)']].sum().sort_values('Runtime_(min
```

Out[314]:

Language	Title
Hindi	Animal
Tamil	I
Telugu	RRR (Rise Roar Revolt)

In [326]:

#44 Write a query to get language wise bottom 5 shortest runtime moves?

In [327]:

```
box_lan.groupby(['Language','Title'])[['Runtime_(mins)']].sum().sort_values('Runtime_(min
```

Out[327]:

Language	Title
Hindi	Kill
	Raksha Bandhan
	Bhoot: Part One – The Haunted Ship
	Hichki
Telugu	Guru

In [328]:

#45 Write a query to get language wise top 5 films based first day collections?

In [330]:

```
box_lan.groupby(['Language','Title'])[['First_Day_Collection_Worldwide_in_Crores']].sum()
```

Out[330]:

Language	Title
Telugu	RRR (Rise Roar Revolt)
	Bāhubali 2: The Conclusion
	Kalki 2898–AD
Kannada	K. G. F: Chapter 2
Tamil	Leo

In [331]:

#Write a query to get language wise top 5 films based India gross collections?

In [332]:

```
box_lan.groupby(['Language','Title'])[['India_Gross_Collection_in_Crores']].sum().sort_va
```

Out[332]:

Language	Title
Telugu	Bāhubali 2: The Conclusion
Kannada	K. G. F: Chapter 2
Telugu	RRR (Rise Roar Revolt)
	Kalki 2898–AD
Hindi	Jawan

In [333]:

#47 Write a query to get language, Director wise films count?

In [337]:

```
box_dir_lan.groupby(['Language', 'Director'])[['Title']].count().rename(columns = {"Title"
```

Out[337]:

Language	Director
Hindi	A. R. Murugadoss
	Aanand L. Rai
	Abhinay Deo
	Abhishek Pathak
	Abhishek Varman
...	...
Telugu	Vikram K. Kumar
	Vikram Sirikonda
	Vimal Krishna
	Vishwak Sen
	Vivek Athreya

369 rows × 1 columns

In [338]:

#48 Write a query to get language wise OTT platform wise fims count?

In [339]:

```
box_lan.groupby(['Language', 'OTT_Platform'])[['Title']].count().rename(columns = {"Title"
```

Out[339]:

Language	OTT_Platform
Hindi	Aha
	Amazon Prime Video
	Disney+Hotstar
	Disney+Hotstar
	Disney+Hotstar
	JioCinema
	Netflix
	Netflix
	SonyLIV
	ZEE5
Kannada	Amazon Prime Video
	Disney+Hotstar
	SonyLIV
	Voot

	ZEE5
Malayalam	Aha
	Amazon Prime Video
	Disney+Hotstar
	Disney+Hotstar
	Netflix
	Netflix
	Sun NXT
	Sun NXT
	ZEE5
Tamil	Aha
	Amazon Prime Video
	Disney+Hotstar
	Disney+Hotstar
	Netflix
	Netflix
	SonyLIV
	SonyLIV
	Sun NXT
	Sun NXT
	ZEE5
Telugu	Aha
	Amazon Prime Video
	Disney+Hotstar
	Disney+Hotstar
	Google Play Movies
	Netflix
	Netflix
	ZEE5

In [340]:

#49 What are top 10 films based language and first day collection?

In [344]:

```
box_lan.groupby(['Language', 'Title'])[['First_Day_Collection_Worldwide_in_Crores']].sum()
.head(10)
```

Out[344]:

	Language	Title
Telugu		RRR (Rise Roar Revolt)
		Bāhubali 2: The Conclusion
		Kalki 2898-AD
Kannada		K. G. F: Chapter 2
Tamil		Leo
Telugu		Devara: Part 1
Hindi		Jawan

	Animal
Tamil	2
	Maharaja

In [345]:

```
#50 Write a query to get director wise number of films released in from year 2017 to 2019
```

In [353]:

```
box_dir.query('Year in [2017 , 2019]').groupby('Director')[['Title']].count().rename(colu
```

Out[353]:

Director	TotalCount
A. R. Murugadoss	1
Aashiq Abu	1
Abhishek Varman	1
Aditya Dhar	1
Advait Chandan	1
...	...
Vetrimaaran	1
Vikas Bahl	1
Vikram K. Kumar	2
Vysakh	1
Zoya Akhtar	1

133 rows × 1 columns

In [354]:

```
#51 Write a query to get director wise world wide collections?
```

In [358]:

```
box_dir.groupby('Director')[['Worldwide_Collection_in_Crores']].sum().sort_values('Worldwide_Collection_in_Crores').reset_index()
```

Out[358]:

	Worldwide_Collection_in_Crores(Total)
Director	
S. S. Rajamouli	3668
Siddharth Anand	2229.45
Nitesh Tiwari	2122.3
Prashanth Neel	2101.75
Atlee	1865.35
...	...
Mathur Goswami, Neeraj Pandey	0
Vineeth Sreenivasan, G. Prajith	0

Shashanka Ghosh	0
V. V. Vinayak	0
Anjali Menon	0

384 rows × 1 columns

In [359]:

#52 Write a query to get director wise first day world wide collections?

In [360]:

```
box_dir.groupby('Director')[['First_Day_Collection_Worldwide_in_Crores']].sum().sort_val
.rename(columns = {'First_Day_Collection_Worldwide_in_Crores':'First_Day_Collection_Worl
```

Out[360]:

	First_Day_Collection_Worldwide_in_Crores(Total)
Director	
S. S. Rajamouli	513
Prashanth Neel	344.1
Koratala Siva	334
Atlee	270.2
Lokesh Kanagaraj	263.48
...	...
Vineeth Sreenivasan, G. Prajith	0
Mathur Goswami, Neeraj Pandey	0
Martin Prakkat	0
V. V. Vinayak	0
Anjali Menon	0

384 rows × 1 columns

In [361]:

#53 Write a query to get director wise India gross collections?

In [362]:

```
box_dir.groupby('Director')[['India_Gross_Collection_in_Crores']].sum().sort_values('Indi
.rename(columns = {'India_Gross_Collection_in_Crores':'India_Gross_Collection_in_Crores(T
```

Out[362]:

	India_Gross_Collection_in_Crores(Total)
Director	
S. S. Rajamouli	2848.85
Prashanth Neel	1747.6
Siddharth Anand	1560.91
Atlee	1256.05

Rajkumar Hirani	1199.5
...	...
Vineeth Sreenivasan, G. Prajith	0
Mathur Goswami, Neeraj Pandey	0
Shashanka Ghosh	0
Anjali Menon	0
V. V. Vinayak	0

384 rows × 1 columns

In [363]:

#54 Write a query to get director wise overseas collections?

In [364]:

```
box_dir.groupby('Director')[['Overseas_Collection_in_Crores']].sum().sort_values('Oversea
. rename(columns = {'Overseas_Collection_in_Crores': 'Overseas_Collection_in_Crores(Total)'}
```

Out[364]:

	Overseas_Collection_in_Crores(Total)
Director	
Nitesh Tiwari	1535.3
Advait Chandan	892.4
Siddharth Anand	819.37
S. S. Rajamouli	819.15
Rajkumar Hirani	635
...	...
Sudeep, Nanda Kishore, Mahesh	0
V. V. Vinayak	0
V. Harikrishna	0
Suri, Abhi	0
Tarun Sudhir	0

384 rows × 1 columns

In [365]:

#55 Write a query to get director, lead actor/actress and number of films?

In [370]:

```
box_dir.groupby(['Director', 'Lead_Actor/Actress'])[['Title']].count().rename(columns = {
```

Out[370]:

	Lead_Actor/Actress
Director	
A. R. Murugadoss	Akshay Kumar

	Joseph Vijay
	Mahesh Babu
	Rajinikanth
Aanand L. Rai	Akshay Kumar
...	...
Vysakh	Mammootty
	Mohanlal
Zakariya	Soubin Shahir
Zoya Akhtar	Anil Kapoor
	Ranveer Singh

559 rows × 1 columns

In [371]:

```
#56 Write a query to get films which is having budget on between 150 crores nd 277 crores
```

In [379]:

```
box.query('150 <= Budget_in_Crores <= 277')[['Title', 'Budget_in_Crores']].sort_values('Bu
.rename(columns = {"Budget_in_Crores": "Total_Budget_in_Crores"})
```

Out[379]:

	Title
484	Thugs of Hindostan
116	Leo
455	Devara: Part 1
586	Fighter
591	Bade Miyan Chote Miyan
573	Pathaan
345	Indian 2
396	Bāhubali 2: The Conclusion
333	Ponniyin Selvan: Part Two
77	Ponniyin Selvan: Part One
574	Tiger 3
547	Samrat Prithviraj
344	Vettaiyan
541	
473	Zero
117	Jailer
47	Tiger Zinda Hai
214	Varisu
268	Darbar
26	Padmaavat
519	Prem Ratan Dhan Payo
493	Gangubai Kathiawadi
474	Sooryavanshi
498	Laal Singh Chaddha
397	Bāhubali: The Beginning

277	Annaatthe
199	War
469	Dilwale
548	Bachchhan Paandey
543	Bellbottom
463	Bang Bang
260	Beast
91	Tanhaji: The Unsung Warrior
114	Animal
468	Race 3
461	Happy New Year
456	Guntur Kaaram
371	Pushpa: The Rise – Part 1
301	Valimai
546	Vikram Vedha
549	Shamshera
576	Rocky Aur Rani Kii Prem Kahaani

In [380]:

#57 Write a query to get director, week name wise films released?

In [385]:

```
box_dir.groupby(['Weekname', 'Director'])[['Title']].count().rename(columns = {'Title' : 'To
```

Out[385]:

Weekname	Director
Friday	A. R. Murugadoss
	Aanand L. Rai
	Aashiq Abu
	Abhinay Deo
	Abhishek Nama
...	...
Wednesday	Vamshi Paidipally
	Vetrimaaran
	Vijay Krishna Acharya
	Vishwak Sen
	Vivek Athreya

474 rows × 1 columns

In [386]:

#58 Write a query to get OTT platform and director wise films released?

In [387]:

```
box_dir.groupby(['OTT_Platform', 'Director'])[['Title']].count().rename(columns = {'Title'
```

Out[387]:

OTT_Platform	Director
Aha	Gopichand Malineni
	Jeethu Joseph
	Mallik Ram
	Neeraj Pandey
	Prabhu
	...
ZEE5	...
	Trinadha Rao Nakkina
	Venky Atluri
	Vetrimaaran
	Vidyadhar Kagita
	Vivek Agnihotri

473 rows × 1 columns

In [388]:

```
#59 Write a query to get director wise films released on Friday only?
```

In [393]:

```
box_dir.query('Weekname == "Friday"').groupby('Director')[['Title']].count().rename(colum
```

Out[393]:

Director	TotalFilmsReleased
A. R. Murugadoss	2
Aanand L. Rai	2
Aashiq Abu	1
Abhinay Deo	1
Abhishek Nama	1
...	...
Vivek Agnihotri	1
Vivek Athreya	1
Vysakh	2
Zakariya	1
Zoya Akhtar	2

311 rows × 1 columns

In [394]:

```
#60 Write a query to get films based on IMDb reating between 6.5 and 7.7?
```

In [402]:

```
box.query('6.5 <= IMDb_Rating <= 7.7').sort_values('IMDb_Rating', ascending = False)[['Ti
```

Out[402]:

	Title
11	Geetha Govindam
33	Bhale Bhale Magadivoy
18	Njan Prakashan
210	Unda
211	Virus
...	...
570	De De Pyaar De
575	Dunki
576	Rocky Aur Rani Kii Prem Kahaani
559	Jawaani Jaaneman
587	Shaistaan

235 rows × 2 columns

In [403]:

```
#61 Write a query to get director,films and IMDb ratings?
```

In [405]:

```
box_dir[['Director','Title','IMDb_Rating']].sort_values('IMDb_Rating', ascending = False)
```

Out[405]:

	Director
121	Vidhu Vinod Chopra
83	Kiranraj K
316	Madhavan
140	Dinjith Ayyathan
79	Vivek Agnihotri
...	...
338	P. Vasu, Mahendran
496	Ahmed Khan
571	Punit Malhotra
491	Ahmed Khan
468	Remo D' Souza

604 rows × 3 columns

In [407]:

```
#62 Write a query to get films with highest budget based flop verdict?
```

In [408]:

```
box.query('Verdict == "Flop")[['Title','Budget_in_Crores']].sort_values('Budget_in_Crores
```

Out[408]:

	Title
484	Thugs of Hindostan
541	83
277	Annaatthe
301	Valimai
546	Vikram Vedha
468	Race 3
280	Vivegam
366	Spyder
491	Baaghi 3
502	Tubelight
449	Bro
593	Chandu Champion
348	Thangalaan
467	Action Jackson
346	Ayalaan
399	Sardaar Gabbar Singh
571	Student of the Year 2
435	Vinaya Vidheya Rama
273	Etharkkum Thunindhavan
597	Yodha
309	Massu Engira Masilamani
159	Odiyan
488	Chhapaak
452	Tiger Nageswara Rao
490	Munna Michael
495	A Flying Jatt
559	Jawaani Jaaneman
515	Panga
537	Force 2
326	Kadaram Kondan
249	Eagle
359	The Warrior
341	Pathu Thala
539	Azhar
441	Dear Comrade
412	Jaya Janaki Nayaka
317	Naane Varuvean
423	Kick 2
458	Naa Saami Ranga
415	Paisa Vasool
370	Rang De
377	Krishnarjuna Yudham
375	Sailaja Reddy Alludu
553	Badhaai Do
385	Srinivasa Kalyanam
556	Chup

421	Goutham Nanda
554	Jhund
195	Aaraattu

In [409]:

#63 Write a query to get total number of directors?

In [411]:

```
dir[['DirectorID']].nunique()
```

Out[411]:

```
DirectorID    384
dtype: int64
```

In [412]:

#64 Write a query to get verdict wise total films released?

In [419]:

```
box['Verdict'].unique()
```

Out[419]:

```
array(['Blockbuster', 'All Time Blockbuster', 'Below Average',
       ': Disaster', ': Blockbuster', ': All Time Blockbuster',
       'Super Hit', ': Flop', 'Above Average', 'Flop', ': Hit',
       ': Super Hit', ': Super Hit', ': Average', 'Disaster', 'Average',
       'Hit', ': Below Average', ': Above Average', 'Below Average',
       'Super Hitt'], dtype=object)
```

In [424]:

```
box['Verdict']=box['Verdict'].str.replace(': Disaster','Disaster')
box['Verdict']=box['Verdict'].str.replace(': Blockbuster','Blockbuster')
box['Verdict']=box['Verdict'].str.replace(': All Time Blockbuster','All Time Blockbuster')
box['Verdict']=box['Verdict'].str.replace(': Flop','Flop')
box['Verdict']=box['Verdict'].str.replace(': Hit','Hit')
box['Verdict']=box['Verdict'].str.replace(': Super Hit','Super Hit')
box['Verdict']=box['Verdict'].str.replace(': Super Hit','Super Hit')
box['Verdict']=box['Verdict'].str.replace(': Average','Average')
box['Verdict']=box['Verdict'].str.replace(': Below Average','Below Average')
box['Verdict']=box['Verdict'].str.replace(': Above Average','Above Average')
box['Verdict']=box['Verdict'].str.replace(' Below Average','Below Average')
box['Verdict']=box['Verdict'].str.replace(' Super Hitt','Super Hit')
```

In [425]:

```
box.groupby('Verdict')[['Title']].count()
```

Out[425]:

Verdict	Title
Above Average	23
All Time Blockbuster	16
Average	42
Below Average	47
Blockbuster	166
Disaster	68
Flop	57
Hit	96
Super Hit	89

In [426]:

#65 Write a query to get top 10 directors based number of films?

In [428]:

```
box_dir.groupby('Director')[['FilmID']].count().rename(columns = {"FilmID":"TotalFilms"})
```

Out[428]:

Director	TotalFilms
Trivikram Srinivas	6
Rohit Shetty	6
A. R. Murugadoss	5
Siva	5
Anil Ravipudi	5
Boyapati Srinu	5
Koratala Siva	5
Remo D' Souza	4
Sukumar	4
Siddharth Anand	4

In [429]:

#66 Write a query to get top 5 directors based on world wide collections and also industr

In [431]:

```
box_dir.groupby(['Director', 'Industry'])[['Worldwide_Collection_in_Crores']].sum().renam
```

Out[431]:

Director	Industry
S. S. Rajamouli	Tollywood

Siddharth Anand	Bollywood
Nitesh Tiwari	Bollywood
Rajkumar Hirani	Bollywood
Prashanth Neel	Sandalwood

In [432]:

```
#67 Write a query to get top 3 directors based on India gross collections in Bollowood in
```

In [433]:

```
box_dir.query('Industry=="Bollywood"').groupby(['Director'])[['India_Gross_Collection_in_'.rename(columns = {"India_Gross_Collection_in_Crores":"India_Gross_Collection_in_Crores_i'.sort_values('India_Gross_Collection_in_Crores_inTotal', ascending = False).head(3)
```

Out[433]:

	India_Gross_Collection_in_Crores_inTotal
Director	
Siddharth Anand	1560.91
Rajkumar Hirani	1199.5
Sandeep Reddy Vanga	990

In [434]:

```
#68 Write a query to get top 3 directors based on India gross collections in Tollowood in
```

In [435]:

```
box_dir.query('Industry=="Tollywood"').groupby(['Director'])[['India_Gross_Collection_in_'.rename(columns = {"India_Gross_Collection_in_Crores":"India_Gross_Collection_in_Crores_i'.sort_values('India_Gross_Collection_in_Crores_inTotal', ascending = False).head(3)
```

Out[435]:

	India_Gross_Collection_in_Crores_inTotal
Director	
S. S. Rajamouli	2848.85
Nag Ashwin	840.25
Koratala Siva	638

In [436]:

```
#69 Write a query to get top 3 directors based on India gross collections in Kollowood in
```

In [437]:

```
box_dir.query('Industry=="Kollywood"').groupby(['Director'])[['India_Gross_Collection_in_'.rename(columns = {"India_Gross_Collection_in_Crores":"India_Gross_Collection_in_Crores_i'.sort_values('India_Gross_Collection_in_Crores_inTotal', ascending = False).head(3)
```

Out[437]:

	India_Gross_Collection_in_Crores_inTotal
Director	
Lokesh Kanagaraj	956.88
S. Shankar	826.83
Nelson Dilipkumar	669.88

In [438]:

```
#70 Write a query to get top 3 directors based on India gross collections in Mollywood in
```

In [439]:

```
box_dir.query('Industry=="Mollywood"').groupby(['Director'])[['India_Gross_Collection_in_Crores']].rename(columns = {"India_Gross_Collection_in_Crores":"India_Gross_Collection_in_Crores_i"}).sort_values('India_Gross_Collection_in_Crores_inTotal', ascending = False).head(3)
```

Out[439]:

	India_Gross_Collection_in_Crores_inTotal
Director	
Vysakh	208.55
Chidambaram	167.65
Jithu Madhavan	144.49

In [440]:

```
#71 Write a query to get top 3 directors based on India gross collections in Sandalwood i
```

In [441]:

```
box_dir.query('Industry=="Sandalwood"').groupby(['Director'])[['India_Gross_Collection_in_Crores']].rename(columns = {"India_Gross_Collection_in_Crores":"India_Gross_Collection_in_Crores_i"}).sort_values('India_Gross_Collection_in_Crores_inTotal', ascending = False).head(3)
```

Out[441]:

	India_Gross_Collection_in_Crores_inTotal
Director	
Prashanth Neel	1259.85
Rishab Shetty	363.82
Santhosh Anandram	164.4

In [442]:

```
#72 Write to get total number of genres?
```

In [443]:

```
gen[['Genre']].nunique()
```

Out[443]:

```
Genre    159  
dtype: int64
```

In [445]:

#73 Write query to get director, language, genere films count?

In [446]:

```
box_dir_lan_gen = pd.merge(box_dir_lan, gen, on = 'GenreID', how = 'inner')
```

In [448]:

```
box_dir_lan_gen.groupby(['Director', 'Language'])[['FilmID']].count().rename(columns = {'F
```

Out[448]:

Director	Language
A. R. Murugadoss	Hindi
	Tamil
	Telugu
Aanand L. Rai	Hindi
Abhilash Joshiy	Malayalam
...	...
Vivek Agnihotri	Hindi
Vivek Athreya	Telugu
Vysakh	Malayalam
Zakariya	Malayalam
Zoya Akhtar	Hindi

369 rows × 1 columns

In [449]:

#74 Write a query to genere wise budget?

In [451]:

```
box_dir_lan_gen.groupby('Genre')[['Budget_in_Crores']].sum().rename(columns={'Budget_in_C
```

Out[451]:

Genre	Budget_in_Crores_InTotal
Action	147
Action, Adventure	275
Action, Adventure, Comedy	55
Action, Adventure, Comedy, Drama	120
Action, Adventure, Comedy, Drama, Fantasy	25

...	...
Horror, Mystery, Thriller	53
Horror, Thriller	15
Mystery	5
Mystery, Thriller	20
Romance	90

148 rows × 1 columns

In [452]:

#75 Write a query to get genere wise first day worldwide collections?

In [453]:

```
box_dir_lan_gen.groupby('Genre')[['First_Day_Collection_Worldwide_in_Crores']].sum() \
.rename(columns={'First_Day_Collection_Worldwide_in_Crores':'First_Day_Collection_Worl
```

Out[453]:

	First_Day_Collection_Worldwide_in_Crores_InTotal
Genre	
Action	45.25
Action, Adventure	76
Action, Adventure, Comedy	28
Action, Adventure, Comedy, Drama	33.45
Action, Adventure, Comedy, Drama, Fantasy	5.5
...	...
Horror, Mystery, Thriller	9.25
Horror, Thriller	5.05
Mystery	2.25
Mystery, Thriller	4.3
Romance	36.6

148 rows × 1 columns

In [454]:

#76 Write a query to get genere wise overseas collections?

In [455]:

```
box_dir_lan_gen.groupby('Genre')[['Overseas_Collection_in_Crores']].sum() \
.rename(columns={'Overseas_Collection_in_Crores':'Overseas_Collection_in_Crores_InTotal'})
```

Out[455]:

	Overseas_Collection_in_Crores_InTotal
Genre	

Action	66
Action, Adventure	133.5
Action, Adventure, Comedy	73.5
Action, Adventure, Comedy, Drama	521.7
Action, Adventure, Comedy, Drama, Fantasy	4.1
...	...
Horror, Mystery, Thriller	21
Horror, Thriller	41.65
Mystery	34.22
Mystery, Thriller	11.3
Romance	22.4

148 rows × 1 columns

In [456]:

#77 Write a query to get genere wise India gross collections?

In [457]:

```
box_dir_lan_gen.groupby('Genre')[['India_Gross_Collection_in_Crores']].sum() \
.rename(columns={'India_Gross_Collection_in_Crores':'India_Gross_Collection_in_Crores_InT
```

Out[457]:

	India_Gross_Collection_in_Crores_InTotal
Genre	
Action	258.7
Action, Adventure	194
Action, Adventure, Comedy	278.1
Action, Adventure, Comedy, Drama	502.4
Action, Adventure, Comedy, Drama, Fantasy	71.2
...	...
Horror, Mystery, Thriller	95.4
Horror, Thriller	41.65
Mystery	34.22
Mystery, Thriller	44.6
Romance	124.66

148 rows × 1 columns

In [458]:

#78 Write a query to get genere wise top 2 longest run time movies?

In [470]:

```
box_dir_lan_gen.groupby(['Genre', 'Title'])[['Runtime_(mins)']].sum().sort_values('Runtime
```

Out[470]:

Genre	Title
Drama, Sport	Jersey
Action, Crime, Drama, Thriller	Vikram Vedha

In [471]:

#79 Write a query to get genere wise bottom shortest runtime movies?

In [472]:

```
box_dir_lan_gen.groupby(['Genre', 'Title'])[['Runtime_(mins)']].sum().sort_values('Runtime
```

Out[472]:

Genre	Title
Action, Crime, Drama, Thriller	Kill
Comedy, Drama, Family	Raksha Bandhan

In [473]:

#80 Write a query to get verdict, genere wise films released?

In [476]:

```
box_dir_lan_gen.groupby(['Genre', 'Verdict'])[['Title']].sum()
```

Out[476]:

Genre	Verdict
Action	Average
	Below Average
	Blockbuster
	Disaster
	Hit
...	...
Mystery	Blockbuster
Mystery, Thriller	Average
Romance	: Average
	Disaster
	Hit

340 rows × 1 columns

In [477]:

#81 Write a query to get genere, OTT platform wise films count?

In [478]:

```
box_dir_lan_gen.groupby(['Genre','OTT_Platform'])[['Title']].sum()
```

Out[478]:

Genre	OTT_Platform
Action	Amazon Prime Video
Action, Adventure	Amazon Prime Video
Action, Adventure, Comedy	Disney+Hotstar
Action, Adventure, Comedy, Drama	Amazon Prime Video
	Disney+Hotstar
...	...
Mystery	Amazon Prime Video
Mystery, Thriller	ZEE5
Romance	Amazon Prime Video
	Netflix
	ZEE5

250 rows × 1 columns

In [479]:

#82 Write a query to get genere wise films count?

In [483]:

```
box_dir_lan_gen.groupby('Genre')[['FilmID']].count().rename(columns = {'FilmID': 'TotalFilms'})
```

Out[483]:

Genre	TotalFilms
Action, Drama	40
Action, Crime, Drama, Thriller	33
Comedy, Drama, Romance	29
Action, Drama, Thriller	26
Action, Crime, Thriller	24
...	...
History, War	1
Drama, War	1
Horror, Thriller	1
Mystery	1
Mystery, Thriller	1

148 rows × 1 columns

In [482]:

#83 Write a query to get genere wise films count in Tollowood Industry?

In [486]:

```
box_dir_lan_gen.query('Industry=="Tollywood"').groupby('Genre')[['FilmID']].count() \
.rename(columns = {'FilmID':'TotalFilms'}).sort_values('TotalFilms', ascending = False)
```

Out[486]:

Genre	TotalFilms
Action, Drama	16
Comedy, Drama, Romance	8
Action, Comedy	7
Action, Crime, Drama, Thriller	7
Action, Drama, Thriller	7
Drama, Romance	6
Action, Comedy, Drama	4
Action, Crime, Thriller	4
Action, Drama, Romance	4
Comedy, Romance	4
Action, Thriller	4
Drama	4
Romance	4
Action, Comedy, Crime	3
Action, Romance	3
Action, Comedy, Romance	3
Action, Adventure, Drama	3
Action, Comedy, Thriller	2
Comedy, Drama	2
Comedy	2
Action, Drama, Romance, Sport	2
Comedy, Drama, Fantasy	2
Action, Crime, Drama	2
Drama, Family	2
Biography, Drama	2
Action, Comedy, Family, Romance	1
Action, Crime, Drama, Mystery, Thriller	1
Action, Comedy, Crime, Drama, Romance	1
Action, Comedy, Crime, Romance	1
Action, Comedy, Crime, Thriller	1
Action, Comedy, Drama, Thriller	1
Action, Comedy, Crime, Drama	1
Action, Adventure, Fantasy, Mystery, Thriller	1
Action, Adventure, Drama, Fantasy, Sci-Fi, Thriller	1
Action, Adventure, Drama, History	1
Action, Adventure, Fantasy	1
Action, Biography, Drama, Thriller	1

Action, Biography, Drama, History, War	1
Action, Comedy, Drama, Romance	1
Action, Crime, Sci-Fi, Thriller	1
Action, Sci-Fi, Thriller	1
Action, History	1
Action, Mystery, Thriller	1
Action, Drama, Thriller, War	1
Action, Drama, Fantasy	1
Action, Drama, Mystery, Romance	1
Action, Drama, Sport	1
Action, Romance, Thriller	1
Comedy, Family, Romance	1
Comedy, Drama, Romance, Thriller	1
Comedy, Drama, Family, Fantasy	1
Comedy, Horror, Thriller	1
Crime, Horror, Mystery, Thriller	1
Drama, Sci-Fi, Thriller	1
Drama, Sport	1

In [487]:

#84 Write a query to get genere wise films count in Kollywood Industry?

In [488]:

```
box_dir_lan_gen.query('Industry=="Kollywood"').groupby('Genre')[['FilmID']].count() \
.rename(columns = {'FilmID': 'TotalFilms'}).sort_values('TotalFilms', ascending = False)
```

Out[488]:

Genre	TotalFilms
Action, Drama	16
Action, Crime, Drama, Thriller	14
Action, Crime, Thriller	13
Action, Drama, Thriller	8
Action, Thriller	7
Action, Crime, Drama	6
Action, Comedy, Drama	5
Comedy, Horror	4
Action, Drama, Romance	3
Comedy, Drama, Romance	3
Comedy, Drama	3
Action	3
Comedy	3
Action, Comedy, Drama, Romance	2
Action, Comedy, Crime, Drama, Thriller	2
Action, Comedy, Drama, Horror	2
Action, Adventure, Sci-Fi, Thriller	2
Action, Comedy, Crime, Thriller	2

Action, Adventure, Drama	2
Action, Sci-Fi, Thriller	2
Action, Drama, Sport	2
Action, Crime, Drama, Mystery, Thriller	2
Horror	2
Action, Comedy, Horror	1
Action, Comedy, Fantasy, Horror	1
Action, Comedy, Drama, Musical, Sci-Fi, Thriller	1
Action, Comedy, Crime, Drama, Sci-Fi	1
Action, Adventure, Drama, Thriller	1
Action, Adventure, Fantasy	1
Action, Adventure, Drama, History	1
Action, Comedy, Drama, Fantasy, Thriller	1
Action, Adventure, Sci-Fi	1
Action, Comedy	1
Action, Comedy, Crime	1
Action, Drama, Sci-Fi, Thriller	1
Biography, Drama	1
Animation, Action, Adventure, History	1
Action, Horror, Thriller	1
Action, Romance, Thriller	1
Action, Drama, Romance, Sci-Fi, Thriller	1
Comedy, Crime, Drama, Thriller	1
Comedy, Drama, Musical, Romance	1
Comedy, Crime, Drama	1
Comedy, Drama, Horror	1
Comedy, Romance	1
Drama, Family	1
Drama	1
Drama, Family, Romance	1
Drama, Romance	1
Horror, Thriller	1
Mystery	1

In [489]:

#85 Write a query to get genere wise films count in Mollywood Industry?

In [490]:

```
box_dir_lan_gen.query('Industry=="Mollywood"').groupby('Genre')[['FilmID']].count() \
.rename(columns = {'FilmID':'TotalFilms'}).sort_values('TotalFilms', ascending = False)
```

Out[490]:

Genre	TotalFilms

Comedy, Drama, Romance	6
Action, Drama, Thriller	5
Comedy, Drama	5
Comedy, Romance	4
Action, Crime, Drama, Thriller	3
Comedy	3
Action, Comedy	2
Action, Comedy, Drama	2
Crime, Mystery, Thriller	2
Drama	2
Drama, Thriller	2
Horror, Mystery, Thriller	2
Crime, Drama, Mystery, Thriller	2
Comedy, Crime, Drama	2
Action, Thriller	2
Action, Drama, History, War	2
Action, Crime, Thriller	2
Action, Comedy, Thriller	1
Action, Crime, Drama, Mystery, Thriller	1
Action, Adventure, Drama, Romance	1
Action, Adventure, Comedy, Drama	1
Action, Adventure, Drama	1
Action, Comedy, Drama, Thriller	1
Action, Drama, Fantasy, Thriller	1
Biography, Crime, Drama, Thriller	1
Biography, Drama, Romance	1
Adventure, Drama	1
Adventure, Drama, Thriller	1
Action, Mystery, Thriller	1
Action, Drama	1
Action, Drama, History	1
Action, Drama, Fantasy, Thriller, Western	1
Comedy, Thriller	1
Comedy, Sport	1
Comedy, Drama, Family	1
Comedy, Family, Romance	1
Drama, Horror, Thriller	1
Crime, Drama, Thriller	1
Drama, Mystery, Thriller	1
Drama, Musical, Romance	1

In [491]:

#86 Write a query to get genere wise films count in Bollowood Industry?

In [492]:

```
box_dir_lan_gen.query('Industry=="Bollywood"').groupby('Genre')[['FilmID']].count() \
.rename(columns = {'FilmID':'TotalFilms'}).sort_values('TotalFilms', ascending = False)
```

Out[492]:

	TotalFilms
Genre	
Comedy, Drama, Romance	12
Comedy, Drama	12
Comedy, Romance	8
Action, Crime, Drama, Thriller	6
Action, Adventure, Thriller	6
...	...
Drama, Music, Romance	1
Drama, Thriller	1
Drama, War	1
Horror, Mystery, Thriller	1
Mystery, Thriller	1

91 rows × 1 columns

In [493]:

#87 Write a query to get genere wise films count in Sandalwood Industry?

In [494]:

```
box_dir_lan_gen.query('Industry=="Sandalwood"').groupby('Genre')[['FilmID']].count() \
.rename(columns = {'FilmID': 'TotalFilms'}).sort_values('TotalFilms', ascending = False)
```

Out[494]:

	TotalFilms
Genre	
Action, Drama	5
Action	3
Action, Crime, Drama, Thriller	3
Action, Drama, Romance	2
Action, Crime	2
Action, Thriller	2
Action, Comedy, Musical	1
Action, Adventure, Comedy, Drama, Fantasy	1
Action, Adventure, Drama, Thriller	1
Action, Crime, Thriller	1
Action, Crime, Drama, Mystery, Thriller	1
Action, Comedy, Drama	1
Action, Drama, Sport	1
Action, Drama, Thriller	1
Action, Romance	1
Adventure, Comedy, Drama	1
History, War	1

In [495]:

#88 Write a query to get lead actors/actress wise, genere and films count?

In [498]:

```
box_dir_lan_gen.groupby(['Lead_Actor/Actress', 'Genre'])[['FilmID']].count().rename(column
```

Out[498]:

Lead_Actor/Actress	Genre
Aamir Khan	Action, Biography, Drama, Sport
	Comedy, Drama, Sci-Fi
Adah Sharma	Drama
Aditya Roy Kapoor	Action, Crime, Drama, Romance, Thriller
Adivi Sesh	Action, Biography, Drama, Thriller
...	...
Yami Gautam	Action, Drama, Thriller
Yash	Action, Crime, Drama, Thriller
	Action, Drama, Romance
Zaira Wasim	Drama, Music
amantha Ruth Prabhu	Action, Crime, Sci-Fi, Thriller

491 rows × 1 columns

In [499]:

#94 Calculate YoY% Budget growth?

In [526]:

```
yoypudget = box.groupby('Year')[['Budget_in_Crores']].sum().sort_values('Year', ascending
```

In [527]:

```
yoypudget.head(5)
```

Out[527]:

Year	Budget_in_Crores
2024	4430
2023	5877
2022	5722
2021	1855
2020	1387

In [528]:

```
yoypudget['P_YearCollection'] = yoypudget['Budget_in_Crores'].shift(1)
```

In [529]:

```
yoypudget.head(5)
```

Out[529]:

Year	Budget_in_Crores
2024	4430
2023	5877
2022	5722
2021	1855
2020	1387

In [530]:

```
yoypbudget['YOY%'] = ((yoypbudget['Budget_in_Crores'] - yoypbudget['P_YearCollection'])/y
```

In [531]:

```
yoypbudget
```

Out[531]:

Year	Budget_in_Crores
2024	4430
2023	5877
2022	5722
2021	1855
2020	1387
2019	2544
2018	3573
2017	3036
2016	2038
2015	1839
2014	1770

In [514]:

#95 Calculate YoY% Worldwide total collections growth?

In [532]:

```
YOY_W_Grw = box.groupby('Year')[['Worldwide_Collection_in_Crores']].sum().sort_values('Y
```

In [533]:

```
YOY_W_Grw.head(5)
```

Out[533]:

Year	Worldwide_Collection_in_Crores

2024	8122.29
2023	13461.72
2022	9853.16
2021	2711.65
2020	2348.75

In [534]:

```
YOY_W_Grw['P_Collection'] = YOY_W_Grw['Worldwide_Collection__in_Crores'].shift(1)
```

In [535]:

```
YOY_W_Grw.head()
```

Out[535]:

	Worldwide_Collection__in_Crores
Year	
2024	8122.29
2023	13461.72
2022	9853.16
2021	2711.65
2020	2348.75

In [536]:

```
YOY_W_Grw['YOY%'] = ((YOY_W_Grw['Worldwide_Collection__in_Crores']/YOY_W_Grw['P_Collectio
```

In [537]:

```
YOY_W_Grw
```

Out[537]:

	Worldwide_Collection__in_Crores
Year	
2024	8122.29
2023	13461.72
2022	9853.16
2021	2711.65
2020	2348.75
2019	8242.72
2018	7759.5
2017	9025
2016	6834.1
2015	5365.6
2014	4537.5

In [521]:

```
#96 Calculate YoY% Indian Gross colelctions growth?
```

In [522]:

```
YOY_Ind_Grw = box.groupby('Year')[['India_Gross_Collection_in_Crores']].sum().sort_values
```

In [523]:

```
YOY_Ind_Grw.head()
```

Out[523]:

	India_Gross_Collection_in_Crores
Year	
2024	6120.79
2023	10080.17
2022	7716.21
2021	2238.4
2020	1966.35

In [538]:

```
YOY_Ind_Grw['P_Collection'] = YOY_Ind_Grw['India_Gross_Collection_in_Crores'].shift(1)
```

In [539]:

```
YOY_Ind_Grw
```

Out[539]:

	India_Gross_Collection_in_Crores
Year	
2024	6120.79
2023	10080.17
2022	7716.21
2021	2238.4
2020	1966.35
2019	6655.58
2018	5878
2017	6290.7
2016	4251.3
2015	3858
2014	3623.3

In [540]:

```
YOY_Ind_Grw['YOY%'] = ((YOY_Ind_Grw['India_Gross_Collection_in_Crores']/YOY_Ind_Grw['P_Co
```

In [541]:

```
YOY_Ind_Grw
```

Out[541]:

	India_Gross_Collection_in_Crores
Year	
2024	6120.79
2023	10080.17

2022	7716.21
2021	2238.4
2020	1966.35
2019	6655.58
2018	5878
2017	6290.7
2016	4251.3
2015	3858
2014	3623.3

In []:

\Boxoffice_Fact.csv")

Title	Release Date	DirectorID
Sanju	29-Jun-18	101
Simmba	28-Dec-18	105
Janatha Garage	01-Sep-16	140
Kaththi	22-Oct-14	107
Maanikya	01-May-14	130

\Director_dim.csv")

DirectorID
101
102
103
104
105

\Genre_dim.csv")

GenreID

	601
	602
	603
	604
	605

\Language_dim.csv")

LanguageID
501
503
505
507
509

es"], errors="coerce")

n_Worldwide__in_Crores"], errors="coerce")

```
, errors="coerce")
```

```
ores"], errors="coerce")
```

```
_Collection_in_Crores']].head(10)
```

Worldwide_Collection_in_Crores
2122.3
1788
1230
1215
1160
1055

	1042.25
	922.1
	915
	912.6

rce")

```
'First_Day_Collection_Worldwide__in_Crores']].head(10)
```

First_Day_Collection_Worldwide__in_Crores
223
217
177.7
159

	158.1
	142.7
	142
	129.1
	127.5
	116

llection_in_Crores']]. head(10)

Overseas_Collection_in_Crores
1535.3
831.4
489.7
400
397.5
371
314.15
303
275
255

'First_Day_Collection_Worldwide__in_Crores']]. head(10)

First_Day_Collection_Worldwide__in_Crores
223
217
177.7
159
158.1
142.7
142
129.1
127.5
116

Video')

)

Video')

,

```
sort_values('No. of_films', ascending = False)
```

```
head(10)
```

```
'Worldwide_Collection__in_Crores', ascending = False).head(10)
```

```
s('Worldwide_Collection__in_Crores', ascending = False).head(10)
```

Title
12th Fail
777 Charlie
Rocketry: The Nambi Effect
Kishkindha Kaandam
The Kashmir Files
Meiyazhagan
Sita Ramam
Kumbalangi Nights
Maharaja
96

Title
Race 3
Baaghi 3
Student of the Year 2
Heropanti 2
Liger
Chandramukhi 2
Gunday
Adipurush
Dabangg 3
A Flying Jatt

Runtime_(mins)
204
188
187
186
185

Runtime_(mins)
105
108
114
116
116

```
ding = False)[['Title','Worldwide_Collection_in_Crores']].head(7)
```

Worldwide_Collection_in_Crores
2122.3
1160
1055
922.1
915
912.6
857.07

```
ding = False)[['Title','Worldwide_Collection__in_Crores']].head(7)
```

Worldwide_Collection__in_Crores
1788
1230
1042.25
650
617.75
451
421.6

```
ding = False)[['Title','Worldwide_Collection__in_Crores']].head(7)
```

Worldwide_Collection__in_Crores
701
605.9
604.5
488.36
451.23
414.43
344.63

```
ding = False)[['Title','Worldwide_Collection__in_Crores']].head(7)
```

Worldwide_Collection__in_Crores
1788
1230
1042.25
650
617.75
451
421.6

```
ding = False)[['Title', 'Worldwide_Collection_in_Crores']].head(7)
```

Worldwide_Collection_in_Crores
241.1
180.03
157.35
154.79
150
131.18
129.2

FilmID
1
1
1
1
1
...
16
4
16
3
1

```
,'Title','Budget_in_Crores']]
```

Budget_in_Crores
400
300
275
250
250
...
0
0
NaN
NaN
NaN

'Title', 'Budget_in_Crores']]

Budget_in_Crores
550
500
500
300
280
...
NaN

'Title', 'Budget_in_Crores']]

	Budget_in_Crores
	540
	320
	250
	250
	250
...	
	6
	5
	5
	4
NaN	

```
[ 'Title', 'Budget_in_Crores' ]]
```

	15
	15
	15
	10
	10
	8
	6
	4

```
' Title' , ' Budget_in_Crores' ]]
```

Budget_in_Crores
100
60
50
50
45
...
2
NaN
NaN
NaN
NaN

```
e' , ' IMDb_Rating' ]]. head(5)
```

IMDb_Rating
8.8
8.6
8.5
8.4
8.3

```
e', 'IMDb_Rating']].head(5)
```

IMDb_Rating
8.7
8.5
8.5
8.5
8.4

```
e', 'IMDb_Rating']].head(5)
```

IMDb_Rating
8.5
8.5
8.4
8.2
8.2

```
1e', 'IMDb_Rating']].head(5)
```

IMDb_Rating
8.7
8.2
8.2
8.2
8.2

```
e', 'IMDb_Rating']].head(5)
```

IMDb_Rating
8.6
8.5
8.3
8.3
8.3

```
scending = False) \
```

```
wide_Collection_in_Crores', ascending = False)
```

e)

Lead_Actor/Actress	Title
Ranbir Kapoor	Sanju
Tabu	Bhool Bhulaiyaa 2
John Abraham	Welcome Back
Anil Kapoor	Mubarakan
Ajay Devgn	Baadshaho
...	...
Chiranjeevi	Bholaa Shankar
Vishwak Sen	Das Ka Dhamki
N. T. Rama Rao Jr.	Devara: Part 1
Sai Srinivas Bellamkonda	Rakshasudu
Nandamuri Balakrishna	Gautamiputra Satakarni

```
ending = True)
```

Language
Hindi
...
Telugu

s)', ascending = False).head(3)

Runtime_(mins)
204
188
187

```
s)', ascending = True).head(5)
```

Runtime_(mins)
105
108
114
116
116

```
).sort_values('First_Day_Collection_Worldwide_in_Crores', ascending = False).head(5)
```

First_Day_Collection_Worldwide_in_Crores
223
217
177.7
159
142.7

```
lues('India_Gross_Collection_in_Crores', ascending = False).head(5)
```

India_Gross_Collection_in_Crores
1417
1000.85
915.85
767.25
760

:"TotalFilmCount"})

TotalFilmCount
1
3
1
1
2
...
3
1
1
1
2

:"TotalFilmCount"})

TotalFilmCount
1
68
26
1
2
3
48
4
1
18
23
1
1
1

	2
	2
	48
	4
	3
	4
	1
	1
	6
	2
	1
	96
	8
	1
	16
	3
	1
	1
	1
	3
	5
	4
	94
	4
	4
	1
	6
	14
	10

```
). sort_values('First_Day_Collection_Worldwide__in_Crores', ascending = False) \
```

First_Day_Collection_Worldwide__in_Crores
223
217
177.7
159
142.7
142
129.1

	116
	105
	104.84

```
mns = {'Title': 'TotalCount'})
```

```
wide_Collection_in_Crores', ascending = False) \
a1'))
```

```
ues('First_Day_Collection_Worldwide_in_Crores', ascending = False) \
dwide_in_Crores(Total')})
```

```
a_Gross_Collection_in_Crores', ascending = False) \
otal')})
```

```
s_Collection_in_Crores', ascending = False) \  
})
```

```
Title' : 'TotalNo.ofFilms'})
```

TotalNo.ofFilms
1

	2
	1
	1
	1
...	
	2
	1
	1
	1
	1
	1

?

dget_in_Crores', ascending = False) \

Total_Budget_in_Crores
275
250
250
250
250
250
250
250
250
250
220
200
200
200
200
200
190
180
180
180
180
180

	180
	175
	165
	165
	160
	160
	150
	150
	150
	150
	150
	150
	150
	150
	150
	150
	150
	150
	150
	150

talFilmsReleased' })

TotalFilmsReleased
2
2
1
1
1
...
1
1
1
1
1

: ' TotalFilmsReleased' })

TotalFilmsReleased
1
1
1
1
1
1
...
1
2
1
1
1

```
ns = {"Title": "TotalFilmsReleased"})
```

```
tle', 'IMDb_Rating']]
```

IMDb_Rating
7.7
7.7
7.7
7.7
7.7
7.7
...
6.5
6.5
6.5
6.5
6.5

Title	IMDb_Rating
12th Fail	8.8
777 Charlie	8.7
Rocketry: The Nambi Effect	8.7
Kishkindha Kaandam	8.6
The Kashmir Files	8.6
...	...
Chandramukhi 2	2.6
Heropanti 2	2.3
Student of the Year 2	2.2
Baaghi 3	2.2
Race 3	1.9

```
', ascending = False)
```

Budget_in_Crores
275
200
180
150
150
150
120
120
100
100
90
80
80
75
75
75
75
65
60
60
50
50
50
45
45
40
40
40
40
35
35
35
35
30
30
30
30
25
25
25
25
20
20

	20
	20
	18

)

```
.sort_values('TotalFilms', ascending = False).head(10)
```

y wise?

```
e(columns = {"Worldwide_Collection__in_Crores": "Worldwide_Collection__in_Crores_inTotal
```

Worldwide_Collection__in_Crores_inTotal
3668

	2229.45
	2122.3
	1834.5
	1484

dus try?

```
Crores']].sum() \
nTotal"}) \
```

dus try?

```
Crores']].sum() \
nTotal"}) \
```

dus try?

```
Crores']].sum() \
nTotal"}) \
```

dustry?

```
Crores']].sum() \nTotal"}) \
```

ndustry?

```
_Crores']].sum() \nTotal"}) \
```

```
    filmID' : 'TotalFilmCount' })
```

TotalFilmCount
1
3
1
3
1
...
1
2
3
1
2

```
    rores' : 'Budget_in_Crores_InTotal' })
```

ide__in_Crores_InTotal'})

)

otal' })

_ (mins)' , ascending = False). head(2)

Runtime_(mins)
327
307

_ (mins)', ascending = True). head(2)

Runtime_(mins)
105
108

Title
Pogaru
Motta Shiva Ketta Shiva
Yajamana
Saamy ²
Natasaarvabhowma
...
Vaazhai
Kahaani 2
18 Pages
Mr. Majnu
Tholi PremaLove Story

Title
Yajamana Pogaru Nata Saarvabhowma Saamy ² Motta Shiv...
Thugs of Hindostan
Dishoom Total Dhamaal
A. R. M
Bajrangi Bhaijaan
...
Vaazhai
Kahaani 2
Tholi Prema Love Story
18 Pages
Mr. Majnu

```
ms'}).sort_values('TotalFilms', ascending = False)
```



```
s = {'FilmID': 'TotalFilmCount'})
```

TotalFilmCount
1
1
1
1
1
...
1
2
1
1
1

```
= False)
```

P_YearCollection
NaN
4430
5877
5722
1855

oy_budget['P_YearCollection']) * 100

P_YearCollection	YOY%
NaN	NaN
4430	32.663657
5877	-2.6374
5722	-67.581265
1855	-25.229111
1387	83.417448
2544	40.448113
3573	-15.029387
3036	-32.8722
2038	-9.764475
1839	-3.752039

ear', ascending = False)

P_Collection
NaN
8122.29
13461.72
9853.16
2711.65

n'])/YOY_W_Grw['P_Collection']) * 100

P_Collection	YOY%
NaN	NaN
8122.29	0.020405
13461.72	0.005437
9853.16	0.002793
2711.65	0.031943
2348.75	0.149416
8242.72	0.011421
7759.5	0.014989
9025	0.00839
6834.1	0.011488
5365.6	0.015761

('Year', ascending = False)

P_Collection
NaN
6120.79
10080.17
7716.21
2238.4
1966.35
6655.58
5878
6290.7
4251.3
3858

llection'])/YOY_Ind_Grw['P_Collection']) * 100

P_Collection	YOY%
NaN	NaN
6120.79	0.026906

10080. 17	0. 007594
7716. 21	0. 003759
2238. 4	0. 039245
1966. 35	0. 172133
6655. 58	0. 01327
5878	0. 018207
6290. 7	0. 010743
4251. 3	0. 021346
3858	0. 024343

Lead Actor/Actress	LanguageID	Industry	GenreID	Budget in Crores
Ranbir Kapoor	501	Bollywood	623	100
Ranveer Singh	501	Bollywood	605	125
N. T. Rama Rao Jr.	503	Kollywood	605	50
Joseph Vijay	503	Kollywood	606	70
V. Ravichandran	507	Sandalwood	606	15

"}).sort_values('Worldwide_Collection_in_Crores_inTotal', ascending = False).head(5)

First Day Collection Worldwide in Crores	Worldwide Collection in Crores
54.4	588.5
20.2	390
45	140
25	117.5
3.5	43

Overseas Collection in Crores	India Gross Collection in Crores	Verdict
150	438. 5	Blockbuster
95	295	Blockbuster
15	125	Blockbuster
29	88. 5	Blockbuster
0	43	Blockbuster

IMDb Rating	Runtime (mins)	OTT Platform
7.6	155	Netflix
5.5	158	ZEE5
7.2	162	Disney+ Hotstar
8.1	166	Amazon Prime Video
6.5	165	ZEE5