

1. For each director count the no of movies and tv shows created by them in separate columns for directors who have created tv shows and movies both.

```
select nd.director,  
       count(distinct case when nf.type = 'Movie' then nf.show_id end) as no_of_movies,  
       count(distinct case when nf.type = 'TV Show' then nf.show_id end) as no_of_tvshow  
  
from netflix_directors as nd  
inner join netflix_f as nf  
on nd.show_id = nf.show_id  
group by nd.director  
having count(distinct nf.type) > 1
```

	director	no_of_movies	no_of_tvshow
1	Abhishek Chaubey	4	1
2	Alastair Fothergill	1	3
3	Alban Teurlai	1	1
4	Alessandro Angulo	1	1
5	Andrew Tan	1	1
6	Anurag Kashyap	8	1
7	B. V. Nandini Reddy	3	1
8	BB Sasore	2	1
9	Bejoy Nambiar	2	1
10	Billy Corben	1	1
11	Brad Anderson	3	1
12	Bunmi Ajakaiye	1	1
13	Cosima Spender	2	1
14	Dan Forrer	1	1
15	Daniel Kontur	1	1
16	David Ayer	3	1
17	Elaine McMillion Sheldon	2	1
18	Eli Roth	2	1
19	Estela Renner	1	1
20	Faris Godus	1	1
21	Gary Howsam	1	1
22	Hiroyuki Seshita	3	1
23	Houda Benyamina	1	1
24	Ifa Isfansyah	2	1
25	Jalil Lespert	2	1
26	Jani Lachauer	1	1
27	Jared Hess	2	1
28	Jay Chandrasekhar	1	1
29	Jerry Seinfeld	1	1
30	Jill Bauer	1	1
31	Joe Berlinger	3	2
32	Joel Gallen	1	1
33	John Dower	1	1
34	John Paul Tremblay	4	1
35	Julia Reichert	1	1

	director	no_of_movies	no_of_tvshow
36	Julien Leclercq	2	1
37	Justin Webster	1	1
38	Karthik Subbaraj	3	1
39	Kemi Adetiba	2	1
40	Ken Burns	2	3
41	Kim Seong-hun	1	1
42	Kobun Shizuno	2	1
43	Kyran Kelly	1	1
44	Luis Alfaro	1	1
45	Malik Nejer	1	1
46	Manolo Caro	2	1
47	Marcus Raboy	15	1
48	Mark Tonderai	1	1
49	Masaaki Yuasa	1	1
50	Mateo Gil	1	1
51	Michael Simon	5	1
52	Mike Flanagan	3	1
53	Mike Smith	4	1
54	Noam Murro	1	1
55	Obi Emelonye	2	1
56	Oliver Stone	4	1
57	Olivier Megaton	1	1
58	Oriol Paulo	1	1
59	Patricia Font	1	1
60	Priyadarshan	6	1
61	Quentin Tarantino	7	1
62	Rashida Jones	1	1
63	Rathindran R Prasad	4	1
64	Robb Wells	4	1
65	Robert Kenner	1	1
66	Ronna Gradus	1	1
67	Ryan Polito	7	1
68	Sarjun	1	1
69	Sion Sono	1	1
70	Soumendra Padhi	1	1
71	Stan Lathan	2	2
72	Steven Bognar	1	1
73	Tensai Okamura	1	1
74	Thierry Demaizière	1	1
75	Thomas Astruc	1	1
76	Tig Notaro	1	1
77	Tiller Russell	2	1
78	Tosin Coker	1	1
79	Tsutomu Mizushima	1	1
80	Vasan Bala	1	1
81	Vikramaditya Motwane	3	1
82	Weica Wang	1	1
83	Ziad Doueiri	1	1

2. Which country has highest number of comedy movies



```
select top 1 nc.country , COUNT(distinct ng.show_id ) as no_of_movies
from netflix_genre ng
inner join netflix_countries nc on ng.show_id=nc.show_id
inner join netflix_f n on ng.show_id=nc.show_id
where ng.genre='Comedies' and n.type='Movie'
group by nc.country
order by no_of_movies desc
```

	country	no_of_movies
1	United States	685

3. For each year (as per date added to netflix), which director has maximum number of movies released



```
with cte as (
select nd.director, YEAR(date_added) as date_year, count(n.show_id) as no_of_movies
from netflix n
inner join netflix_directors nd on n.show_id=nd.show_id
where type='Movie'
group by nd.director, YEAR(date_added)
)
, cte2 as (
select *
, ROW_NUMBER() over(partition by date_year order by no_of_movies desc, director) as
rn
from cte
)
select * from cte2 where rn=1
```

	director	date_year	no_of_movies	rn
1	Sorin Dan Mihalcescu	2008	1	1
2	Joe Dante	2009	1	1
3	Jim Monaco	2010	1	1
4	Arthur Allan Seidelman	2011	1	1
5	Constance Marks	2012	1	1
6	Dave Higby	2013	1	1
7	Leo Riley	2014	2	1
8	Jay Karas	2015	2	1
9	Jan Suter	2016	4	1
10	Jay Chapman	2017	7	1
11	Jan Suter	2018	12	1
12	Cathy Garcia-Molina	2019	7	1
13	Youssef Chahine	2020	11	1
14	Rajiv Chilaka	2021	17	1

4. What is average duration of movies in each genre



```
select ng.genre , avg(cast(REPLACE(duration,' min','') AS int)) as avg_duration
from netflix n
inner join netflix_genre ng on n.show_id=ng.show_id
where type='Movie'
group by ng.genre
order by avg_duration desc
```

	genre	avg_duration
1	Classic Movies	118
2	Action & Adventure	113
3	Dramas	113
4	Romantic Movies	110
5	International Movies	110
6	Thrillers	107
7	Music & Musicals	106
8	Sci-Fi & Fantasy	106
9	Faith & Spirituality	105
10	Cult Movies	104
11	Comedies	103
12	Independent Movies	101
13	Horror Movies	98
14	Sports Movies	94
15	LGBTQ Movies	94
16	Anime Features	92
17	Documentaries	81
18	Children & Family ...	79
19	Stand-Up Comedy	67
20	Movies	45

5. Find the list of directors who have created horror and comedy movies both. Display director names along with number of comedy and horror movies directed by them.



```
select nd.director
, count(distinct case when ng.genre='Comedies' then n.show_id end) as no_of_comedy
, count(distinct case when ng.genre='Horror Movies' then n.show_id end) as
no_of_horror
from netflix n
inner join netflix_genre ng on n.show_id=ng.show_id
inner join netflix_directors nd on n.show_id=nd.show_id
where type='Movie' and ng.genre in ('Comedies','Horror Movies')
group by nd.director
having COUNT(distinct ng.genre)=2;
```

	director	no_of_comedy	no_of_horror
1	Adam Egypt Mortimer	1	1
2	Ahmed Zein	2	2
3	Álex de la Iglesia	2	1
4	Amar Kaushik	1	1
5	Anggy Umbara	1	1
6	Anthony Scott Burns	1	2
7	Anurag Kashyap	1	1
8	B.N. Shajeer Sha	1	1
9	Banjong Pisanthanakun	1	3
10	Brad Peyton	1	1
11	Brent Maddock	1	1
12	Dennis Widmyer	1	1
13	Dibakar Banerjee	3	1
14	Don Michael Paul	3	3
15	Eli Craig	2	2
16	Gary Shore	1	1
17	Gore Verbinski	1	1
18	Hardik Mehta	1	1
19	Jason Krawczyk	1	1
20	Jeff Baena	2	1
21	Jeremy Saulnier	1	2
22	Joe Dante	1	1
23	Jonathan Levine	1	1
24	Karan Johar	2	1
25	Keenen Ivory Wayans	1	1
26	Kevin Kolsch	1	1
27	Kevin Smith	5	3
28	Kunle Afolayan	1	1
29	Malcolm D. Lee	2	1
30	Mamat Khalid	1	1
31	McG	4	2
32	Michael Tiddes	4	2
33	Nicholas McCarthy	1	1
34	Nicolás López	1	1
35	Olivier Afonso	1	1
36	Oz Rodriguez	1	1
37	Paul Weitz	1	1
38	Poj Arnon	3	5
39	Raditya Dika	2	1
40	Renny Harlin	1	1
41	Ron Underwood	1	1
42	Ruben Fleischer	2	1
43	Rusty Cundieff	1	1
44	S.S. Wilson	2	2
45	Sang-ho Yeon	1	1
46	Sarah Adina Smith	1	1
47	Scott Stewart	1	3
48	Stephen Chiodo	1	1
49	Steve Brill	5	1
50	Tim Burton	2	1
51	Tony Datis	1	1
52	Trevor Ryan	1	1
53	Vikram Bhatt	1	1
54	Woo Ming Jin	1	1
55	Zoya Akhtar	3	1