

In [84]: cmd9

Out[84]:

	Director	Actor	MovieCount
0	A. Bhimsingh	Abhimanyu Abhimanyu	1
1	A. Bhimsingh	Achala Sachdev	1
2	A. Bhimsingh	Agha	1
3	A. Bhimsingh	Alka	1
4	A. Bhimsingh	Anand	1
...	...	...	...
128398	Zunaid Memon	Satyendra Kapoor	1
128399	Zunaid Memon	Sergio Kato	1
128400	Zunaid Memon	Sulabha Deshpande	1
128401	Zunaid Memon	Vaibhav Jhalani	1
128402	Zunaid Memon	Vivek Madan	1

128403 rows × 3 columns

```
In [5]: cmd9 = pd.read_sql_query("SELECT pa.name as Actor, pd.name as Director, COUNT(*) as MovieCount FROM M_director d JOIN Person pd ON trim(pd.PID) = trim(d.PID) JOIN M_Cast c ON trim(c.MID) = trim(d.MID) JOIN Person pa ON trim(pa.PID) = trim(c.PID) GROUP BY pa.name, pd.name", conn)
```

In [7]: cmd9

Out[7]:

	Actor	Director	MovieCount
0	'Ganja' Karuppu	N. Linguswamy	1
1	'Ganja' Karuppu	Perarasu	1
2	'Lee' George Quinones	Adam Bhala Lough	1
3	'Musafir' Radio Performing	Abhishek Kapoor	1
4	'Musafir' Radio Performing	Abhishek Kapoor	1
...	...	...	...
128398	Yograj Bhat	Sudeep	1
128399	Yograj Bhat	Sudeep	1
128400	Zeishan Quadri	Anurag Kashyap	1
128401	Zeishan Quadri	Anurag Kashyap	1
128402	Zeishan Quadri	Sai Kabir	1

128403 rows × 3 columns

```
In [85]: cmd9.to_sql("Dir_Act_Count", conn, if_exists="replace")
```

```
In [8]: cmd9_1 = pd.read_sql_query("SELECT Actor,Director,MovieCount FROM 'Dir_Act_Count' GROUP BY Actor ORDER BY MovieCount DESC",conn )
```

```
In [9]: cmd9_1
```

```
Out[9]:
```

	Actor	Director	MovieCount
0	Jagdish Raj	Yash Chopra	11
1	Manmohan Krishna	Yash Chopra	10
2	Subhash Ghai	Subhash Ghai	10
3	Manmohan Krishna	Yash Chopra	10
4	Subhash Ghai	Subhash Ghai	10
...	...	...	...
30816	Vinod Pande	Vinod Pande	1
30817	Vishal Bhardwaj	Kamal Haasan	1
30818	Yana Gupta	Yana Gupta	1
30819	Yograj Bhat	Sudeep	1
30820	Zeishan Quadri	Sai Kabir	1

30821 rows × 3 columns

```
In [10]: cmd9_1.to_sql("Act_Dir_Count", conn, if_exists="replace")
cmd9_2 = pd.read_sql_query("SELECT Actor,Director,MovieCount FROM 'Act_Dir_Count' WHERE Director LIKE 'Yash Chopra'",conn )
cmd9_2
```

Out[10]:

	Actor	Director	MovieCount
0	Jagdish Raj	Yash Chopra	11
1	Manmohan Krishna	Yash Chopra	10
2	Manmohan Krishna	Yash Chopra	10
3	Iftekhhar	Yash Chopra	9
4	Madan Puri	Yash Chopra	8
...	...	...	...
415	Raman Kumar	Yash Chopra	1
416	Romesh Sharma	Yash Chopra	1
417	Sachin	Yash Chopra	1
418	Sajid Khan	Yash Chopra	1
419	Tinnu Verma	Yash Chopra	1

420 rows × 3 columns

**10. The Shahrukh number of an actor is the length of the shortest path between the actor and Shahrukh Khan in the "co-acting" graph. That is, Shahrukh Khan has Shahrukh number 0; all actors who acted in the same film as Shahrukh have Shahrukh number 1; all actors who acted in the same film as some actor with Shahrukh number 1 have Shahrukh number 2, etc. Return all actors whose Shahrukh number is 2.**