Company_1 U Company_2

Select * from Company_1 **UNION** Select * from Company_2

employee_id	employee_name	employee_city
1	Bhim Shekh	Surat
1	Sahdev Ramiah	Raipur
2	Mehul Mohan	Goa
3	Mohak Jain	Gurugram
3	Palash Yadav	Ahmedabad
4	Ela Shikha	Delhi
4	Pragun Sarika	Chennai
5	Mrinal Thakur	Bangalore
5	Pooja Srivastava	Bangalore
6	Sitara Vani	Bangalore
6	Vani Shekhawat	Delhi
7	Mohak Jain	Gurugram
7	Mohak Jain	Ahmedabad
8	Adesh Patel	Jaipur
8	Neera Shah	Ahmedabad
9	Kunal Tandon	Delhi
9	Poonam Oberoi	Delhi
10	Abhishek Saini	Raipur
10	Romit Soni	Mumbai

Company_1 ∩ Company_2

Select * from Company_1 **INTERSECT** Select * from Company_2

employee_id	employee_name	employee_city
2	Mehul Mohan	Goa

Company_1 − Company_2

Select * from Company_1 **EXCEPT** Select* from Company_2

employee_id	employee_name	employee_city
1	Bhim Shekh	Surat
3	Palash Yadav	Ahmedabad
4	Ela Shikha	Delhi
5	Mrinal Thakur	Bangalore
6	Sitara Vani	Bangalore
7	Mohak Jain	Gurugram
7	Mohak Jain	Ahmedabad
8	Adesh Patel	Jaipur
9	Kunal Tandon	Delhi
10	Romit Soni	Mumbai

Company_1 *X* Company_2

Select * from Employee **CROSS JOIN** Select* from City

employee_id	employee_name
1	Bhim Shekh
2	Palash Yadav
3	Ela Shikha
4	Mrinal Thakur

city_id	dept_id	dept_name
011	1	Finance
022	2	Admin
033	3	Intelligence
044	4	Serices

employee_id	employee_name	city_id	dept_id	dept_name
1	Bhim Shekh	11	1	Finance
1	Bhim Shekh	22	2	Admin
1	Bhim Shekh	33	3	Intelligence
1	Bhim Shekh	44	4	Services
2	Palash Yadav	11	1	Finance
2	Palash Yadav	22	2	Admin

employee_id	employee_name	city_id	dept_id	dept_name
2	Palash Yadav	33	3	Intelligence
2	Palash Yadav	44	4	Services
3	Ela Shikha	11	1	Finance
3	Ela Shikha	22	2	Admin
3	Ela Shikha	33	3	Intelligence
3	Ela Shikha	44	4	Services
4	Mrinal Thakur	11	1	Finance
4	Mrinal Thakur	22	2	Admin
4	Mrinal Thakur	33	3	Intelligence
4	Mrinal Thakur	44	4	Services