

1) Find empnames & cities they live in for the employee working in company 'ACC'.

Ans: Before running the query:

+ Options	
ename	city
Sunil	Madras
Vijay	Madras

+ Options				
ename	cname	salary	▲ 1	jdate
Sunil	ACC	40000		2023-04-07 18:07:31
Vijay	ACC	40000		2023-04-07 18:07:31

After running this query:

SELECT ename, city FROM employee WHERE ename IN (SELECT ec.ename FROM emp_company ec WHERE ec.cname = 'ACC');

+ Options	
ename	city
Sunil	Madras
Vijay	Madras

2) List the employees living in city 'BOMBAY' and those having company located in 'DELHI'.

Before running the query:

Employees table:

+ Options	
ename	city
Sunil	Madras
Vijay	Madras
Ramesh	Bombay
Suresh	Bombay

Emp_company table:

+ Options				
ename	cname	salary	▲ 1	jdate
Sunil	ACC	40000		2023-04-07 18:07:31
Vijay	ACC	40000		2023-04-07 18:07:31
Ramesh	TATA	50000		2023-04-07 18:49:44
Suresh	TATA	50000		2023-04-07 18:49:44

Company table:

+ Options	
cname	city
TATA	Delhi

After running this query:

SELECT ename FROM employee WHERE city = 'Bombay' AND ename IN(SELECT ec.ename FROM emp_company ec WHERE ec.cname = 'TATA' AND ec.cname IN(SELECT c.cname FROM company c WHERE ec.cname = c.cname AND c.city = 'Delhi'));

+ Options	
ename	
Ramesh	
Suresh	

3) Give the names of companies located in those cities where TATA is located.

Before running the query:

+ Options	
cname	city
TATA	Delhi
ACC	Delhi

After running this query:

```
SELECT cname FROM company WHERE cname IN (SELECT cname FROM company WHERE city IN(SELECT city FROM company WHERE cname = 'TATA'));
```

+ Options	
cname	
TATA	
ACC	

4) Give the salary of employee living in DELHI.

Before running the query:

Employee table:

+ Options	
ename	city
Sunil	Delhi
Vijay	Madras
Ramesh	Bombay
Suresh	Bombay

Emp_company table:

+ Options			
ename	cname	salary	jdate
Sunil	ACC	40000	2023-04-07 18:07:31
Vijay	ACC	40000	2023-04-07 18:07:31
Ramesh	TATA	50000	2023-04-07 18:49:44
Suresh	TATA	50000	2023-04-07 18:49:44

After running this query:

```
SELECT ec.salary FROM emp_company ec WHERE EXISTS(SELECT e.ename FROM employee e WHERE e.city = 'Delhi' AND e.ename = ec.ename);
```

+ Options	
salary	
40000	

5) List the names of employees living in same city where SUNIL is living.

Before running the query:

+ Options	
ename	city
Sunil	Delhi
Vijay	Delhi
Ramesh	Bombay
Suresh	Bombay

After running this query:

```
SELECT e2.ename FROM employee e2 WHERE EXISTS(SELECT e1.city FROM employee e1 WHERE e1.ename = 'Sunil'
AND e2.city = e1.city);
```

+ Options	
ename	
Sunil	
Vijay	