

Emp

Eid.	Ename	esal	city	dno
101	Raju	29000.	Hyderabad	10
102.	Kiran.	35000.	Chennai	20
104.	Abdul	25000	Hyderabad	20
106.	John.	20000.	Mumbai.	10
109	Murali.	30000.	Mumbai	

Dept

Dnum	Dname.	Dloc
10	HR.	Chennai
20.	ACCT.	Mumbai
30.	MARK.	Delhi

emp proj

ENO	PNO.	HRS
101.	2.	6
101.	4.	8
101.	5.	10
104.	5.	7
104.	4.	3
109.	2.	6
106.	2.	16
106	1.	9
106.	3	12
106.	4	10
106.	5	3
102	4.	7

Proj

Pnum	Pname
1	NetworkSec
2.	Network
3.	Cloud
4	Database
5.	Datamodel

```
Select eid,ename form emp,dept
      where dno=dnum
      and dname='ACCT';
```

```
Select eid,ename
From emp
Where dno in(select drum from dept where dname='ACCT');
```

```
(Select eid,ename from emp)
minus
```

```
(select Eno,ename from emp,emp_proj where eid=eno); //selects emp with  
no projects
```

```
Select eid,ename  
From emp  
Where Eid NOT IN(select Eno from emp_proj); //selects emp with no  
projects
```

```
Select eid,ename  
From emp  
Where Eid IN(select Eno from emp_proj); //selects employee with  
atleast one project
```

```
Select eid,ename  
From emp  
Where NOT EXISTS (select * from emp_proj where eno=eid); //exists  
checks if there is atleast one  
result from the inner  
query
```

```
                                //selects emp with no  
projects
```

Correlated nested query I.e for every tuple in the outer query the inner
query is executed eg:EXISTS, NOT EXISTS
Simple nested query:single time execution is sufficient eg IN, NOT IN

```
Select eid,ename  
From emp  
Where EXISTS (select * from emp_proj where eno=eid); //selects employee  
with atleast one project
```

```
//emp id and name of those working with proj network  
Select eno as Eid from emp_proj ,proj where pno=pnum and pname='Network'
```

```
Select eno as eid,ename from emp_proj ,proj ,emp where eid=eno and  
pno=pnum and  
pname='Network'
```

```
//to change line size  
Set linesize 300;
```

```
Select eid,ename from Eid where eid IN(select eno from emp_proj,proj  
where pno=Pnum and pname='Network');
```

```
Select eid,ename from emp where EXISTS(select * from emp_proj, proj  
where pno=pnum and pname='Network' and eid=eno);
```

```
Select eid,ename from emp where NOT EXISTS(select * from emp_proj, proj
where pno=pnum and pname='Network' and eid=eno);
```

```
//select all ppl working on all data related projects
```

```
//simple join
//left outer join
//right outer join
//full outer join
```