

1. Display all departments in which no employee exists.

select *

from dept

where not exists(select * from emp e where e.deptno=dept.deptno);

2. Display all employees who are not assigned to any department

select * from emp

where deptno is null;

3. Display all employees along with their department name, and also display the departments, in which no employees are there.

Select e.empno,e.ename,e.deptno.d.deptno,d.dname from emp e inner join dept d on e.deptno=d.deptno	Select e.empno,e.ename,e.deptno.d.deptno,d.dname from emp e right join dept d on e.deptno=d.deptno
Select e.empno,e.ename,e.deptno.d.deptno,d.dname from dept d inner join emp e on e.deptno=d.deptno	Select e.empno,e.ename,e.deptno.d.deptno,d.dname from dept d left join emp e on e.deptno=d.deptno

Room(rid,rname,rloc)

Course(cid, cname,duration,roomid,facid)

Faculty(fid,fname,skill)

1. Display which rooms are assigned to which course.
Select * from room r, course c where r.riid=c.roomid;
2. Display all the courses and the faculty assigned to the course.
Select * from course c, faculty f where c.facid=f.fid;
3. Display all courses details, room assigned to it and faculty assigned to it?

Select * From course c,room r,faculty f Where c.roomid=r.riid and c.facid=f.fid;	Select * From course c inner join room r on c.roomid=r.riid inner join faculty f On c.facid=f.fid ;

Vehicle(vid,vname,price)

Customer(cid,cname,address)

Vehicle_cust (vid, custid,p_date,dis_price)

1. to find all vehicles bought by customer who stays in 'aundh'.

```
Select vid,vname,  
From vehicle v  
Where vid in(select vc.vid from vehicle_cust vc  
where vc.custid in (  
select cid  
from customer  
where address='aundh'  
))
```

2. Find all customers who has not bought the vehicles and also Find all vehicles not bought by any customer.

```
Select cid,cname,null vid,null vname  
From customer c  
Where not exists (select * from vehicle_cust vc where vc.custid=c.cid)  
union  
Select null,null,vid,vname  
From vehicle v  
Where not exists( select * from vehicle_cust vc where vc.vid=v.vid);
```

3. Find all customers who has not bought the vehicles

```
Select cid,cname  
From customer c  
Where not exists (select * from vehicle_cust vc where vc.custid=c.cid)
```

4. Find all vehicles not bought by any customer.

```
Select vid,vname  
From vehicle v  
Where not exists( select * from vehicle_cust vc where vc.vid=v.vid)
```

5. Find customer name and the vehicle bought by the customer, if they have received any discount on the vehicle

```
Select cid,cname,v.vid,vname,v.price,vc.dis_price
```

```
From customer c,vehicle_cust vc,vehicle v
```

```
Where c.cid=vc.custid and vc.vid=v.vid and v.price>vc.dis_price
```

- 1.Find customer name and the vehicle bought by the customer

```
Select cid,cname,v.vid,vname
```

```
From customer c,vehicle_cust vc,vehicle v
```

```
Where c.cid=vc.custid and vc.vid=v.vid;
```

- 2.

