Day 14:

1)Fetch employees who gets highest salary in each department

display ename & dname & salary column in output

2tables

employ1 (empid,ename,deptno,salary)

dept1 (deptno,dname,loc)

>select ename,dname,salary from (

select e.ename,d.dname,e.salary,dense\_rank()over(partition by d.dname order by e.salary desc)

as rnk from employ1 e

inner join dept1 d

on e.deptno=d.deptno)

where rnk=1;

2)Find employe and its manager

>select e.emp\_name as employ\_name,m.emp\_name as manager\_name from mngr e

join mngr m

on e.manager\_id=m.emp\_id

order by e.emp\_id;

#### self join (act as a inner join)

if a table is joined on to itself then it is called self join

i.e it requires only 1 table

3)write a query to fetch child\_name and their parent name

>select c.name as child\_name,p.name as parent\_name from family c

join family p

on c.parent\_id=p.id;

#if you want all the child names

>select c.name as child\_name,coalesce(p.name,'Father\_name is missing') as parent\_name from family c

left join family p

on c.parent\_id=p.id;

4)mock

id country

1 india

2 pakistan

3 srilanka

4 australia

output

india VS pakistan

india VS srilanka

india VS australia

pakistan VS srilanka

pakistan VS australia

srilanka VS australia

>select t1.country||' VS '||t2.country as teams from mock t1

join mock t2

on t1.id<t2.id;

5)Given 2 tables users & rides

write a sql query to report the distance travelled by each

user in descending order

users(id,name)

rides(id,passenger\_id,distance)

>select u.name,coalesce(sum(r.distance),0) as total\_distance\_travelled from users u

left join rides r

on u.id=r.passenger\_id

group by u.name

order by total\_distance\_travelled desc;

6)Fetch even employids from employ1 table

>select \* from employ1 where mod(empid,2)=0;

7)Fetch odd employeids from employ1 table

>select \* from employ1 where mod(empid,2)!=0;