

Assgniment

----- emp, dept,

system login

1. location -> lid -> pk, city, gen values using sequence, insert data

2. alter dept-> lid -> relate dept location, add corresponding entries

user login

--> join-> 3 table

firstname from employee which dept-> deptname, city of employee

--> print empl-> id firstname, having highest salary

having second highest salary

```
create table location(  
    lid NUMBER(8) constraint location_pk primary key,  
    city varchar2(20)  
);  
  
create sequence assi_loc_genpk  
start with 1000  
increment by 10  
nomaxvalue  
NOCYCLE  
CACHE 10;  
  
insert into location values(assi_loc_genpk.nextval,'kolkata');  
insert into location values(assi_loc_genpk.nextval,'mumbai');  
insert into location values(assi_loc_genpk.nextval,'delhi');  
insert into location values(assi_loc_genpk.nextval,'hydrabad');  
  
select * from location;  
  
alter table department add lid number(8);  
  
update department set lid = 1000 where deptid = 999;  
update department set lid = 1010 where deptid = 888;  
update department set lid = 1020 where deptid = 777;  
  
grant select,insert,update,delete on EMPLOYEE to may13;  
grant select,insert,update,delete on DEPARTMENT to may13;  
grant select,insert,update,delete on LOCATION to may13;
```

```
--may13
```

```
select e.firstname, d.deptname, l.city from  
    SYSTEM.employee e natural join SYSTEM.department d  
    natural join SYSTEM.location l;
```

```
SQL> select e.firstname, d.deptname, l.city from  
2     SYSTEM.employee e natural join SYSTEM.department d  
3     natural join SYSTEM.location l;
```

FIRSTNAME	DEPTNAME	CITY
abc	IT	kolkata
ghi	IT	kolkata
mno	SysAdmin	mumbai
stu	SysAdmin	mumbai
abc	IT	kolkata

```
select empid,firstname,salary from employee  
where salary = (select min(salary) from  
(select distinct salary from employee order by salary desc)  
where rownum < 3);
```

```
SQL> select empid,firstname,salary from employee  
2  where salary = (select min(salary) from  
3  (select distinct salary from employee order by salary desc)  
4  where rownum < 3);
```

EMPID	FIRSTNAME	SALARY
103	mno	37000

```
SQL>
```