**ASSIGNMENT#3**

**Muhammad Mujtaba Afzal 14882**

1.select department\_name, first\_name, salary from employees e join departments d

on (e.manager\_id=d.manager\_id)

where (sysdate-hire\_date)/365 >5

2.select first\_name from employees e1 join employees e2 using (manager\_id)

where e1.hire\_date < e2.hire\_date

3.select first\_name, job\_title from employees e join job\_history jh using (employee\_id) join jobs j on( jh.job\_id = j.job\_id)

where months\_between(end\_date,start\_date) <6

4.select first\_name, country\_name from employees join departments using(department\_id)

join locations using( location\_id)

join countries using ( country\_id)

5.select department\_name, avg(salary), count(commission\_pct)

from departments join employees using (department\_id)

group by department\_name

6.

7.select \* from departments where department\_id in (select department\_id from employees

group by department\_id

having max(salary)>10000)

8.select \* from departments where manager\_id in (select employee\_id from employees where first\_name='smith')

9.select job\_id from employees where to\_char(hire\_date,'yyyy')=to\_char(sysdate,'yyyy')

10.select \* from employees where employee\_id not in (select employee\_id from job\_history)

11.select job\_title, avg(salary) from jobs join employees

using (job\_id)

where employee\_id in (select employee\_id from job\_history)

group by job\_title

12.select country\_name, city, count(department\_id) from departments d join locations l

using(location\_id)

join countries c

using (country\_id)

where department\_id in

(select department\_id from employees having count(department\_id)>5 group by department\_id)

group by city, country\_name

13.select first\_name from employees where employee\_id in

(select manager\_id from employees group by manager\_id

having count(\*)>5)

14.select first\_name, job\_title, start\_date, end\_date

from job\_history jh join jobs j

using (job\_id)

join employees e on (jh.employee\_id=e.employee\_id)

where commission\_pct is null

15.select \* from departments

where department\_id not in (select department\_id from employees where(sysdate-hire\_date)/365< 2)

16.select \* from departments where department\_id in

(select department\_id from employees where employee\_id in (select employee\_id from job\_history)

group by department\_id

having max(salary) >10000)

17.select \* from jobs

where job\_id in (select job\_id from employees

where employee\_id in (select employee\_id from job\_history where job\_id='it\_prog'))

18.select \* from employees e1 where

salary= (select max(salary) from employees e2 where e1.department\_id=e2.department\_id)

19.select city from locations where

location\_id = (select location\_id from departments where

department\_id = (select department\_id from employees where employee\_id=105))

20.