

2

Desc dept

```
select empno,ename , job,hiredate from emp
```

```
select distinct job from emp
```

```
select empno as employee_no,ename "employee  
name",job jobs from emp
```

3

```
select ename,sal from emp where sal> 2850 order  
by sal desc
```

```
select ename , sal from emp where sal not  
between 1500 and 2850
```

```
select ename ,sal from emp where sal> 1500 and  
(deptno =10 or deptno=30) order by sal desc
```

```
select ename ,hiredate from emp where hiredate  
like '%82%'
```

```
select ename ,sal,comm from emp where comm is  
not null
```

```
select ename from emp where ename like '___A%'
```

```
select ename from emp where ename like '%LL%'
```

4

```
select initcap(ename) as "emp name" ,  
length(ename ) as length,substr(ename,1,4)  as  
section from emp
```

```
select concat(ename,job) from emp where deptno  
=30
```

```
select ename,  
round(months_between(sysdate,hiredate)/12)  
from emp
```

```
select TO_CHAR(sysdate,'DAY "OF" MONTH YYYY  
HH12:MI:SS AM') TODAY from dual
```

```
select to_date('FEBRUARY 22,  
2004','dd/mm/yyyy') from dual
```

5

```
select max(sal) as MAXIMUM, min(sal)  
MINIMUM,sum(sal) SUM,avg(sal) AVERAGE from  
emp
```

```
select job,max(sal) as MAXIMUM ,min(sal)  
MINIMUM from emp group by job
```

```
select job , count(*) from emp group by job
```

```
select count (job) as "number of managers" group  
by job having job='MANAGER'
```

6

```
select e.ename , d.deptno, d.dname from  
emp e,dept d where e.deptno=d.deptno and  
d.deptno=30
```

```
select distinct e.job,d.loc from emp e,dept d where  
e.deptno=d.deptno and d.deptno=30
```

```
select e.ename,e.job,d.dname from emp e,dept d  
where e.deptno=d.deptno and d.loc='DALLAS'
```

```
select e.empno, e.ename,m.empno,m.ename from  
emp e ,emp m where e.mgr=m.empno
```

7

```
select ename,hiredate from emp where deptno =  
(select deptno from emp where ename = 'BLAKE')  
and ename <> 'BLAKE'
```

```
select empno,ename from emp where sal > (select  
avg(sal) from emp ) order by sal desc
```

```
select ename, deptno,job from emp where deptno  
= ( select deptno from dept where loc = 'DALLAS' )
```

```
select empno, ename, job, sal from emp where sal <
( select min(sal) from emp where job =
'SALESMAN' )
```

8

```
select ename, deptno, sal from emp where
(deptno, sal) in ( select deptno, sal from emp
where comm is not null)
```

```
select e.ename, d.dname, e.sal from emp e, dept d
where e.deptno = d.deptno and e.sal in (select e.sal
from emp e, dept d where e.deptno = d.deptno and
d.loc = 'DALLAS')
```

```
select ename, hiredate, sal from emp where sal =
(select sal from emp where ename = 'SCOTT')
```

9

```
insert into emp values
```

```
(1111, 'AHMED', 'ENGINEER', 7839, '01-JAN-
04', 5000, 2000, 10)
```

insert into emp values

(2222,'SAUD','SALES',7698,'05-FEB-
03',3000,100,20)

update emp set sal =7000 where ename ='AHMED'

update emp set sal =1000 where sal < 900

delete from emp where empno =2222

10

create table department

(id number (7),
name varchar2(25))

////////

create table employee

(id number (7),
last_name varchar2(25),
first_name varchar2(25) ,
dept_id number(7))

////////////////////////////////

alter table employee

modify (last_name varchar2(50))

//////////

create table employee2 (id,last_name,dept_id)
as select empno,ename ,deptno from emp

//////////

Alter table employee2 add (first_name
varchar2(20))

drop table employee

//////////

rename employee2 to employee

//////////

alter table employee drop column last_name
desc employee

create table deptment

(dept_no number(4) primary key,
dname varchar2(15),
loc varchar2(10))

//////////

```
create table employee2
( empno number(4) ,
  ename varchar2(15) unique ,
  job varchar2(10),
  sal number(7,2),
  comm number(7,2) ,
  mgr number(4) ,
  deptno number(2),
  constraint pr_empno primary key(empno) )
```

```
//////////
```

```
alter table employee2
  add constraint fk_depno foreign key(deptno)
  references dept(deptno)
```

```
//////////
```

```
alter table employee2
  add constraint ck_salo check(sal between 1000
  and 5000)
```

```
//////////
```