**LAB EXERCISE**

*Emp->empno,ename,job,sal,mgr,comm,hiredate,deptno*

*Dept->deptno,dname,loc*

1. List the emps who are not working in CHICAGO and gets a commission.

* SELECT \* FROM EMP WHERE DEPTNO IN (SELECT DEPTNO from dept WHERE LOC!='CHICAGO') and COMM IS NOT NULL;

1. List the names of job. Where atleast3 are working in that job.

* select JOB,count(\*) from emp group by JOB having count(\*)>=3

1. List the details of most recently hired emp of dept 30

SELECT \* FROM EMP WHERE DEPTNO=30 AND HIREDATE=(SELECT MAX(HIREDATE) FROM EMP WHERE DEPTNO = 30)

1. Select department name & location of all the employees who gets a commission.

- select DNAME,LOC from dept where DEPTNO IN(select DEPTNO from emp where COMM is not null)

1. Find the total annual sal to distribute job wise in the year 1982.

* SELECT JOB,SUM(SAL\*12) FROM EMP WHERE TO\_CHAR(HIREDATE,’YYYY’)=1982 GROUP BY JOB;

1. Find out the MANAGER and ANALYST who are working for KING.

* SELECT \* FROM EMP WHERE JOB IN('MANAGER','ANALYST') AND MGR=(SELECT EMPNO FROM EMP WHERE ENAME='KING')

1. List the emps who’s Jobs are same as ALLEN. Exclude the ALLEN’s details.

* select \* from emp where job=(select job from emp where ename='ALLEN') and enmae<>'ALLEN';

1. List the emps with departmental information Whose Jobs are same as BLAKE or ALLEN whose or Sal is more than FORD.

* select \* from dept where DEPTNO in (select DEPTNO from emp where job in (select job from emp where ENAME in('BLAKE','ALLEN')) or sal>(select sal from emp where ename= 'FORD'))

1. Find the highest paid employee of sales department.

* SELECT \* FROM EMP WHERE SAL=(SELECT MAX(SAL) FROM EMP WHERE DEPTNO=(SELECT DEPTNO FROM DEPT WHERE DNAME= 'SALES'))

1. List the highest paid emp working under king.

* SELECT \* FROM EMP WHERE SAL=(SELECT MAX(SAL) FROM EMP WHERE MGR=(SELECT EMPNO FROM EMP WHERE ENAME = 'KING'))

SELECT MAX(SAL) FROM EMP WHERE MGR=(SELECT EMPNO FROM EMP WHERE ENAME ='KING')

1. Find the details of the 2nd highest salary holder.

* SELECT \* FROM EMP WHERE SAL=(SELECT MAX(SAL) FROM EMP WHERE SAL<(SELECT MAX(SAL) FROM EMP))

1. Find the details of the 3rd lowest salary holder.

* SELECT \* FROM EMP WHERE SAL=(SELECT MIN(SAL) FROM EMP WHERE SAL>(SELECT MIN(SAL) FROM EMP WHERE SAL>(SELECT MIN(SAL) FROM EMP)))

1. Find out the department where at least 2 MANAGERS are working.

* SELECT DNAME FROM DEPT WHERE DEPTNO IN(SELECT DEPTNO FROM EMP WHERE JOB= 'MANAGER' GROUP BY DEPTNO HAVING COUNT(\*)>2)

1. Find out the total salaries of CLERKs and ANALYSTs where each individual get more than 1000.

* select sum(sal) from emp where job in ('ANALYST','CLERK') and sal>1000;

1. Find the location where maximum number of employee is located