**INTRODUCTION TO DATABASE**

**Lab Quiz**

**Time: 2 hours**

**Solve the following Queries (Any 14) from emp and dept table:**

1. List the emps who joined in January and Fabruary in 1981.

SELECT\*FROM EMP WHERE HIREDATE BETWEEN '01-JAN-1981' AND '28-FEB-1981'

1. List all the emps except ‘PRESIDENT’ & ‘MANAGER” in asc order of Salaries.

SELECT\*FROM EMP WHERE JOB IN('PRESIDENT','MANAGER') ORDER BY SAL ASC

1. Display all the details oif the employees where the 2nd last character of the name is K and which length is 5.

SELECT\*FROM EMP WHERE LENGTH(ENAME)=5 AND ENAME LIKE ('%K\_')

1. List the emps where third character of their name must be ‘r’ and job is start with M or A.

SELECT\*FROM EMP WHERE ENAME LIKE ('\_\_R%') AND (JOB LIKE('M') OR JOB LIKE('A%'))

1. Show all the employees name and job in lowe case.

SELECT LOWER(ENAME),LOWER(JOB) FROM EMP

1. List the emps whose Jobs are same as ALLEN.

SELECT\*FROM EMP WHERE JOB=(SELECT JOB FROM EMP WHERE ENAME='ALLEN')

1. Display department-wise total salaries for all the Managers and Analysts, only if the average salaries for the same is greater than or equal to 3000.

SELECT SUM(SAL) FROM EMP WHERE JOB IN('MANAGER','ANALYST') GROUP BY DEPTNO HAVING AVG(SAL)>=3000

1. Display all the employees who are getting some commission in department 20 & 30

SELECT\*FROM EMP WHERE COMM IS NOT NULL AND DEPTNO IN (20,30)

1. Select details of all the employees working for FORD.

SELECT\*FROM EMP WHERE MGR=(SELECT MGR FROM EMP WHERE ENAME='FORD')

1. Find out the job wise no. of Analysty and Clerk whose salary is more than 800.

SELECT JOB,COUNT(\*) FROM EMP WHERE SAL>800 GROUP BY JOB HAVING JOB IN('ANALYST','CLERK')

1. Find out the department where more than 3 emplyees are working.

SELECT DEPTNO,COUNT(\*)FROM EMP GROUP BY DEPTNO HAVING COUNT(\*)>3

1. Show the unique department no from the em,p table.

SELECT DISTINCT DEPTNO FROM EMP

1. Increase the salary to 5% for the Analysts who joined in 1982.

UPDATE EMP SET SAL=SAL+SAL\*0.05 WHERE HIREDATE BETWEEN '01-JAN-82' AND '31-DEC-82'

1. Rename the column name from mgr to reporing\_boss. [After completing the task rename it again reporting\_boss to mgr.]

ALTER TABLE EMP RENAME COLUMN MGR TO REPORTING\_BOSS;

ALTER TABLE EMP RENAME COLUME REPORTING\_BOSS TO MGR

1. Delete those employees who get commission as well as whose salary is greater than 1800.

DELETE FROM EMP WHERE SAL>1800 AND COMM IS NOT NULL

1. Display job-wise maximum salary, minimum salary and average salary in a single query.

SELECT JOB,MAX(SAL),MIN(SAL),AVG(SAL) FROM EMP GROUP BY JOB