**INTRODUCTION TO DATABASE**

**SECTION: G**

**LAB EXAM**

**NAME: MD. SHOHANUR RAHMAN SHOHAN**

**ID: 22-46013-1**

CREATE TABLE EXAM1 (

* 1. DEPTID NUMBER(3),
  2. DEPT\_NAME VARCHAR2(6) CHECK(DEPT\_NAME IN ('CSE', 'EEE', 'BBA', 'Eng', 'Ach')),
  3. BUDGET NUMBER(6) DEFAULT(500),
  4. PRIMARY KEY(DEPTID)

)

CREATE TABLE EXAM2 (

CRS\_ID NUMBER(4)

CRS\_NAME VARCHAR2(6) NOT NULL,

DEPTID NUMBER(3),

PRIMARY KEY(CRS\_ID)

)

SELECT DEPTNO, EMPNO

FROM EMP

WHERE EMPNO = 7566

SELECT ENAME, JOB, HIREDATE AS "START DATE"

FROM EMP

WHERE HIREDATE BETWEEN '20-FEB-81' AND '01-MAY-81'

ORDER BY HIREDATE ASC

SELECT ENAME AS "EMPLOYEE NAME", DEPTNO AS "DEPERTMENT NUMBER"

FROM EMP

WHERE DEPTNO IN (10,30)

ORDER BY ENAME ASC

SELECT ENAME,JOB,SAL AS "SALARY"   
FROM EMP  
WHERE JOB  = 'CLERK'  
OR JOB   = 'ANALYST'  
AND SAL NOT IN(1000,3000,5000);

SELECT ENAME   
FROM EMP  
WHERE ENAME LIKE('%LL%')  
AND DEPTNO IN(30)  
OR MGR  = 7782;

SELECT ENAME

FROM EMP

WHERE ENAME LIKE '\_\_A%'

SELECT DISTINCT JOB,D.LOC  
FROM EMP E,DEPT D  
WHERE E.DEPTNO IN (30)  
AND E.DEPTNO = D.DEPTNO;

SELECT E.ENAME, E.DEPTNO, D.LOC

FROM EMP E, DEPT D

WHERE E.COMM IS NOT NULL

AND E.DEPTNO = D.DEPTNO

SELECT E.DEPTNO,E.ENAME AS "EMPLOYESS", CC.ENAME AS "COLLEAGUE"

FROM EMP E JOIN EMP CC

ON(E.DEPTNO = CC.DEPTNO)

AND E.EMPNO<>CC.EMPNO;

SELECT ENAME,DEPTNO,SAL

FROM EMP

WHERE SAL IN(SELECT SAL

FROM EMP

WHERE COMM IS NOT NULL)

AND DEPTNO IN(SELECT DEPTNO FROM EMP WHERE COMM IS NOT NULL);

SELECT DEPTNO

FROM EMP

GROUP BY DEPTNO

HAVING COUNT(\*) = (SELECT MAX(COUNT(\*))

FROM EMP

GROUP BY DEPTNO)

SELECT DEPTNO

FROM EMP

GROUP BY DEPTNO

HAVING COUNT(\*) = (SELECT MAX(COUNT(\*))

FROM EMP

GROUP BY SAL)