**ASSIGNMENT 5**

**1.Display empno, emoname, dname and loc from emp and dept table.**

SELECT E.EMPNO,E.ENAME,D.DNAME,D.LOC

FROM EMP E

JOIN DEPT D ON E.DEPTNO=D.DEPTNO;

**2. Display empno, empname and their deptno, dpetname and loc from emp and dept table.**

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

FROM EMP E

JOIN DEPT D ON E.DEPTNO=D.DEPTNO;

**3. Display the list of employees working in each department and with this display the department information even if no employee belongs to that department.**

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

FROM DEPT D

LEFT JOIN EMP E ON E.DEPTNO = D.DEPTNO;

**4. List the employee name and their corresponding manager name from emp table.**

SELECT E.ENAME AS "EMP",M.ENAME AS "MGR"

FROM EMP E

JOIN EMP M ON E.MGR=M.EMPNO;

**5. List the employee name and their corresponding manager name from emp table along this select that employee who have no manager.**

SELECT e1.ename AS employee\_name, e2.ename AS manager\_name

FROM emp e1

LEFT JOIN emp e2 ON e1.mgr = e2.empno

WHERE e1.mgr IS NULL;

**6. List all employees who joined the company before their manager.**

SELECT E.ENAME AS "EMP\_NAME",E.HIREDATE AS "EMP\_HD",M.ENAME AS "M\_NAME",M.HIREDATE AS "MGR\_HD"

FROM EMP E

JOIN EMP M ON E.MGR=M.EMPNO

WHERE E.HIREDATE<M.HIREDATE;

**7. Find names, job and salaries of all employees and also his boss.**

SELECT E.ENAME AS EMPLOYEE,E.JOB AS EJOB,E.SAL AS ESAL,M.ENAME AS MGR\_NAME,M.SAL AS M\_SAL

FROM EMP E

JOIN EMP M ON E.MGR=M.EMPNO;

**8. Find the names of those employees who earn more than their boss.**

SELECT E.ENAME AS EMP\_NAME,E.SAL AS ESAL,M.ENAME AS MGR\_NAME,M.SAL AS M\_SAL

FROM EMP E

JOIN EMP M ON E.MGR=M.EMPNO

WHERE E.SAL>M.SAL;

**9. How much Miller needs to earn to be in BLAKE’s Grade?**

SELECT (MAX(SAL)-MIN(SAL)) AS DIFF

FROM EMP

WHERE ENAME='MILLER' OR ENAME='BLAKE';

**10. List the employee name and their corresponding manager name from emp table where employee name includes an “A” and display will be appeared as in the example given below.**

**Employees and Their Managers**

**Allen works for Blake**

**Blake works for King**

**.................**

**..............**

SELECT E.ENAME ||' WORKS FOR '|| M.ENAME AS "Employees and Their Managers"

FROM EMP E

JOIN EMP M ON E.MGR=M.EMPNO

WHERE E.ENAME LIKE '%A%';

**11. Display different designations present in department 20 and 30.**

SELECT DISTINCT(JOB)

FROM EMP

WHERE DEPTNO IN (20,30);

**12. List the job common to department 20 and 30.**

SELECT JOB FROM EMP WHERE DEPTNO=20

INTERSECT

SELECT JOB FROM EMP WHERE DEPTNO=30;

**13. List the jobs that are unique to department 20 compare to other departments present in emp table.**

SELECT JOB FROM EMP WHERE DEPTNO=20

MINUS

SELECT JOB FROM EMP WHERE DEPTNO<>20;

**14. List the employees belong to department of MILLER.**

SELECT ENAME

FROM EMP

WHERE DEPTNO = (SELECT DEPTNO FROM EMP WHERE ENAME = 'MILLER');

**15. Display all employee details whose salary is greater than average salary of employees whose date of joining is before 1st April 81.**

SELECT \* FROM EMP

WHERE SAL > (SELECT AVG(SAL) FROM EMP

WHERE HIREDATE < TO\_DATE('01-APR-1981', 'DD-MON-YYYY')

);

**16. List the job with highest average salary.**

SELECT JOB

FROM EMP

GROUP BY JOB

HAVING AVG(SAL) = (SELECT MAX(AVG\_SAL)

FROM (SELECT AVG(SAL) AS AVG\_SAL FROM EMP GROUP BY JOB));

**17. Find the details of the employees of the department whose manager no is 7698.**

SELECT \* FROM EMP

WHERE DEPTNO IN (SELECT DEPTNO FROM EMP WHERE MGR=7698);

**18. List the names of the employees who earn lowest salary in each department.**

SELECT ENAME FROM EMP WHERE SAL IN (

SELECT MIN(SAL) FROM EMP GROUP BY DEPTNO);

**19. List the employee details whose salary greater than the average salary for their department.**

SELECT \* FROM EMP E

WHERE E.SAL>( SELECT AVG(SAL) FROM EMP WHERE DEPTNO=E.DEPTNO);

**20. List all employees who work in DALLAS and earn more than any employee working in CHICAGO.**

SELECT \* FROM EMP

WHERE DEPTNO IN (

SELECT DEPTNO FROM DEPT

WHERE LOC = 'DALLAS'

)

AND SAL > ( SELECT MAX(SAL) FROM EMP

WHERE DEPTNO IN (

SELECT DEPTNO FROM DEPT

WHERE LOC = 'CHICAGO'

)

);

OR

SELECT E1.\*

FROM EMP E1

JOIN DEPT D1 ON E1.DEPTNO = D1.DEPTNO

WHERE D1.LOC = 'DALLAS'

AND E1.SAL > (

SELECT MAX(E2.SAL) FROM EMP E2

JOIN DEPT D2 ON E2.DEPTNO = D2.DEPTNO

WHERE D2.LOC = 'CHICAGO'

);