Exercise:

1. Display all the managers & clerks who work in Accounts and Marketing departments.
=> select emp.*,dept.* from emp,dept where emp.deptno=dept.deptno and emp.job in('MANAGER','CLERK') and dept.dname in ('ACCOUNTING','MARKETING')

2. Display all the salesmen who are not located at DALLAS.
=> select emp.*,dept.* from emp,dept where emp.deptno=dept.deptno and emp.job='SALESMAN' and dept.loc<>'DALLAS'

3. Select department name & location of all the employees working for CLARK.
=> select dname,loc from emp,dept where emp.deptno=dept.deptno and mgr=(select empno from emp where ename='CLARK')

4. Select all the departmental information for all the managers
=> select dept.* from dept,emp where emp.deptno=dept.deptno and job='MANAGER'

5.Select all the employees who work in DALLAS.
 select emp.*,dept.* from emp,dept where emp.deptno=dept.deptno and dept.loc = 'DALLAS'

6.Delete the records from the DEPT table that don't have matching records in EMP
=> delete dept,emp from dept INNER JOIN emp ON dept.dname = emp.loc where dname is not null

7.Display all the departmental information for all the existing employees and if a department has no employees display it as "No employees".
 SELECT dept.deptno, dept.dname, emp.empno, emp.ename FROM dept LEFT JOIN emp ON dept.deptno=emp.deptno ORDER BY dept.deptno
 select NVL2(ename,dname,'NO EMPLOYEE'),dname from emp,dept where emp.deptno(+)=dept.deptno;

8.Get all the matching & non-matching records from both the tables.
=> select emp.*,dept.* from emp,dept where dept.deptno=emp.deptno(+)

9.Get only the non-matching records from DEPT table (matching records shouldn't be selected).
=> select emp.*,dept.* from emp,dept WHERE dept.deptno=emp.deptno(+) and emp.empno IS NULL

10.Select all the employees name along with their manager names, and if an employee does not have a manager, display him as "CEO".
=> SELECT A.ENAME EMPLOYEE,NVL(B.ENAME,'CEO') MANAGERFROM EMP A, EMP BWHERE A.MGR=B.EMPNO(+)

11.Get all the employees who work in the same departments as of SCOTT
=> SELECT DISTINCT E.ENAME FROM EMP E, EMP WHERE E.DEPTNO=(SELECT DEPTNO FROM EMP WHERE ENAME='SCOTT')

12.Display all the employees who have joined before their managers.
=> SELECT E.ENAME EMP ,E.HIREDATE EMP_HIREDATE,F.HIREDATE MGR_HIREDATE FROM EMP E,EMP F WHERE E.MGR=F.EMPNO AND E.HIREDATE<F.HIREDATE;

13.List all the employees who are earning more than their managers.
=> SELECT E.ENAME EMPLOYEE,E.SAL EMP_SAL, F.ENAME MANAGER,F.SAL MGR_SAL FROM EMP E,EMP F WHERE E.MGR=F.EMPNO AND E.SAL>F.SAL
14.Fetch all the employees who are earning same salaries.
=> SELECT E.ENAME, E.SAL FROM EMP E,EMP F WHERE E.SAL=F.SAL AND E.EMPNO<>F.EMPNO

15.Select all the employees who are earning same as SMITH.Display employee name , his date of joining, his manager name & his manager's date of joinin
=> SELECT E.ENAME EMPLOYEE, E.HIREDATE EMP_HIREDATE, F.ENAME MGR, F.HIREDATE MGR_HIREDATE FROM EMP E, EMP F WHERE E.MGR=F.EMPNO AND E.SAL =(SELECT SAL FROM EMP WHERE ENAME ='SMITH');