Experiment No 3

OBJECTIVE: Write queries using Logical Operators (=, <,> etc.)

Get the description of EMP table.

SQL> desc emp;

RESULT:

Name Null? Type

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EMPNO NOT NULL NUMBER(4)

ENAME VARCHAR2(10)

JOB VARCHAR2(9)

MGR NUMBER(4)

HIREDATE DATE

SAL NUMBER(7,2)

COMM NUMBER(7,2)

DEPTNO NUMBER(3)

AGE NUMBER(3)

ESAL NUMBER(10)

1. Get the description DEPT table.
   SQL>desc dept;
   RESULT:
   Name Null? Type
   -------------------------------- -------------------- -------------------------
   DEPTNO NOT NULL NUMBER(2)
   DNAME VARCHAR2(14)
   LOC VARCHAR2(13)
1. List all employee details.
   SQL>select * from emp;
2. Display name of the dept. with deptno 20.
   SQL>select ename from emp where deptno = 20;
3. Find no.of dept in employee table.
   SQL>select count (distinct ename) from emp;
4. List the emps who joined before 1981.
   SQL>select * from emp where hiredate < ('01-jan-81');
5. List the Empno, Ename, Sal, Daily sal of all emps in the asc order of Annsal.
   SQL>select empno ,ename ,sal,sal/30,12*sal annsal from emp order by annsal asc;
6. Display the Empno, Ename, job, Hiredate, Exp of all Mgrs
   SQL>select empno,ename ,job,hiredate, months_between(sysdate,hiredate) exp from emp where empno in (select mgr from emp);
7. List the Empno, Ename, Sal, Exp of all emps working for Mgr 7369.
   SQL>select empno,ename,sal,exp from emp where mgr = 7369;
8. Display all the details of the emps whose Comm. Is more than their Sal.
   SQL>select * from emp where comm. > sal;
9. List the emps along with their Exp and Daily Sal is more than Rs.100.
   SQL>select * from emp where (sal/30) >100;
10. List the emps who are either 'CLERK' or 'ANALYST' in the Desc order.
    SQL>select * from emp where job = 'CLERK' or job = 'ANALYST' order by job desc;

11. List the emps who joined on 1-MAY-81,3-DEC-81,17-DEC-81,19-JAN-80 in asc order of seniority.
    SQL>select * from emp where hiredate in ('01-may-81','03-dec-81','17-dec-81','19-jan-80') order by hiredate asc;
12. List the emp who are working for the Deptno 10 or20.
    SQL>select * from emp where deptno = 10 or deptno = 20;
13. List the emps who are joined in the year 81.
    SQL>select * from emp where hiredate between '01-jan-81' and '31-dec-81';
14. List the emps who are joined in the month of Aug 1980.
    SQL>select * from emp where hiredate between '01-aug-80' and '31- aug-80'; (OR)
        select * from emp where to_char(hiredate,'mon-yyyy') ='aug-1980;
15. List the emps Who Annual sal ranging from 22000 and 45000.
    SQL>select * from emp where 12*sal between 22000 and 45000;
16. List the emps those are having four chars and third character must be 'r'.
    SQL>A) select * from emp where length(ename) = 4 and ename like '__R%';
17. List the emps whose names having a character set 'll' together.
    SQL>select * from emp where ename like '%LL%';
18. List the emps who does not belong to Deptno 20.
    SQL>select * from emp where deptno not in (20); (OR)
    SQL>select * from emp where deptno != 20; (OR)
    SQL>select * from emp where deptno <>20; (OR)
    SQL>select * from emp where deptno not like '20';
19. List all the Clerks of Deptno 20.
    SQL>select * from emp where job ='CLERK' and deptno = 20;
20. Display the details of SMITH.
    SQL>select * from emp where ename = 'SMITH';