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CSE - CC J1

<p style="text-align:center">DBMS LAB EXP 11 - JOINS</p>

1. **Issue a query to display information about employees who earn more than any employee in dept 1.**

   select * from EMP_049 where SAL > (select max(SAL) from EMP_049 where DeptNo = 01);

```
SQL> select * from EMP_049 where SAL > (select max(SAL) from EMP_049 where DeptNo = 01);

    EMPNO ENAME                           JOB                  DEPTNO
---------- ------------------------------ -------------------- ----------
      SAL CUSTHANDLING
---------- ------------
      102 Vidhi Rai                       Analyst                      2
     5000            3
```

2. **Display the employee details, departments that the departments are same in both the emp and dept**

select * from EMP_049, DEPT_049 where EMP_049.DeptNo = DEPT_049.DeptNo;

```
SQL> select * from EMP_049, DEPT_049 where EMP_049.DeptNo = DEPT_049.DeptNo;

    EMPNO ENAME                          JOB                      DEPTNO
---------- -------------------------- ------------------- ----------
      SAL CUSTHANDLING     DEPTNO DEPTNAME
---------- ------------- ---------- -------------------------
      100 Shushrut Kumar                 Manager                       1
     4000            1          1 General Management

      101 Viren Parmar                   J.Manager                     1
     3500            2          1 General Management

      102 Vidhi Rai                      Analyst                       2
     5000            3          2 Marketing


    EMPNO ENAME                          JOB                      DEPTNO
---------- -------------------------- ------------------- ----------
      SAL CUSTHANDLING     DEPTNO DEPTNAME
---------- ------------- ---------- -------------------------
      103 Param Shah                     Accountant                    2
     2500            4          2 Marketing

      104 Jakin Patel                    Assistant                     3
     2000            4          3 Human Resource

      105 Don Draper                     PM                            4
     1500            5          4 Sales
```

3. **Display the employee details, departments that the departments are not same in both the emp and dept.**

select * from EMP_049, DEPT_049 where EMP_049.DeptNo != DEPT_049.DeptNo;

```
SQL> select * from EMP_049, DEPT_049 where EMP_049.DeptNo != DEPT_049.DeptNo;

    EMPNO ENAME                           JOB                     DEPTNO
---------- ------------------------------ -------------------- ----------
      SAL CUSTHANDLING     DEPTNO DEPTNAME
---------- ------------ ---------- ------------------------
      102 Vidhi Rai                       Analyst                      2
     5000            3          1 General Management

      103 Param Shah                      Accountant                   2
     2500            4          1 General Management

      104 Jakin Patel                     Assistant                    3
     2000            4          1 General Management


    EMPNO ENAME                           JOB                     DEPTNO
---------- ------------------------------ -------------------- ----------
      SAL CUSTHANDLING     DEPTNO DEPTNAME
---------- ------------ ---------- ------------------------
      105 Don Draper                      PM                           4
     1500            5          1 General Management

      100 Shushrut Kumar                  Manager                      1
     4000            1          2 Marketing

      101 Viren Parmar                    J.Manager                    1
     3500            2          2 Marketing


    EMPNO ENAME                           JOB                     DEPTNO
---------- ------------------------------ -------------------- ----------
      SAL CUSTHANDLING     DEPTNO DEPTNAME
---------- ------------ ---------- ------------------------
      104 Jakin Patel                     Assistant                    3
     2000            4          2 Marketing

      105 Don Draper                      PM                           4
     1500            5          2 Marketing

      100 Shushrut Kumar                  Manager                      1
     4000            1          3 Human Resource


    EMPNO ENAME                           JOB                     DEPTNO
---------- ------------------------------ -------------------- ----------
```

4. Display the Student name and grade by implementing a left outer join.

select name, grade from STUD_049 left outer join GRADE_049 on STUD_049.RegNo = GRADE_049.RegNo;

```
SQL> select name, grade from STUD_049 left outer join GRADE_049 on STUD_049.RegNo = GRADE_049.RegNo;

NAME                            G
------------------------------- -
Shushrut Kumar                  O
Viren Parmar                    A
Vidhi Rai                       B
Param Shah                      C
Jakin Patel                     D
Don Draper                      E

6 rows selected.
```

5. Display the Student name, register no, and result by implementing a right outer join.

select STUD_049.RegNo, Name, Result from STUD_049 right outer join RESULT_049 on STUD_049.RegNo = RESULT_049.RegNo;

```
SQL> select STUD_049.RegNo, Name, Result from STUD_049 right outer

     REGNO NAME                           RESU
---------- ------------------------------ ----
         1 Shushrut Kumar                 PASS
         2 Viren Parmar                   PASS
         3 Vidhi Rai                      PASS
         4 Param Shah                     PASS
         5 Jakin Patel                    FAIL
         6 Don Draper                     FAIL

6 rows selected.
```

6. **Display the details of those who draw the salary greater than the average salary**

select * from EMP_049 where SAL > (select avg(SAL) from EMP_049);

```
SQL> select * from EMP_049 where SAL > (select avg(SAL) from EMP_049);

    EMPNO ENAME                          JOB                       DEPTNO
---------- --------------------------- -------------------- ----------
       SAL CUSTHANDLING
---------- ------------
       100 Shushrut Kumar               Manager                        1
      4000            1

       101 Viren Parmar                 J.Manager                      1
      3500            2

       102 Vidhi Rai                    Analyst                        2
      5000            3
```

7. **Write a query to display their employee names (using any join)**

select EName from EMP_049 left outer join DEPT_049 on EMP_049.DeptNo = DEPT_049.DeptNo;

```
ENAME
------------------------------
Shushrut Kumar
Viren Parmar
Vidhi Rai
Param Shah
Jakin Patel
Don Draper

6 rows selected.
```

8. Display the Student name register no by implementing a full outer join.

select Name from STUD_049 full outer join GRADE_049 on STUD_049.RegNo = GRADE_049.RegNo;

9. Get all combinations of emp and cust information such that the emp and cust are co-located.

select EmpNo, EName, CustName from EMP_049, CUST_049 where EMP_049.CustHandling = CUST_049.CustId;

10. Display the Employee number, Employee name and department name of the employees who are working for some department

select EmpNo, EName, DeptName from EMP_049, DEPT_049 where EMP_049.DeptNo = DEPT_049.DeptNo;

```
SQL> select EmpNo, EName, DeptName from EMP_049, DEPT_049 where EMP_049.DeptNo = DEPT_049.DeptNo;

    EMPNO ENAME                         DEPTNAME
---------- ------------------------- -------------------------
      100 Shushrut Kumar                General Management
      101 Viren Parmar                  General Management
      102 Vidhi Rai                     Marketing
      103 Param Shah                    Marketing
      104 Jakin Patel                   Human Resource
      105 Don Draper                    Sales

6 rows selected.
```

11. Display the First and Last Name of Customer who have taken Loan

select CustName, Lid, Amount from CUST_049, LOAN_049 where CUST_049.CustId = LOAN_049.CustId;

```
SQL> select CustName, Lid, Amount from CUST_049, LOAN_049 where CUST_049.CustId = LOAN_049.CustId;

CUSTNAME                            LID     AMOUNT
----------------------------- ---------- ----------
Dwight Schrut                        10      50000
Kelly Kapoor                         20      35000
Ted Mosbey                           30      80000
```