DATE:07-04-21 **JOINS** **RA1811028010085**
EXP NO:11

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

QUERY:select * from emp_85 where sal>(select max(sal) from emp_85 where emp_no=1);
OUTPUT:

```
SQL> select * from emp_85 where sal>(select max(sal) from emp_85 where emp_no=1);

    EMP_NO EMP_NAME                       JOB
---------- ------------------------------ ------------------------------
   DEPT_NO        SAL
---------- ----------
         4 goutham                        accountant
        20       1450
```

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

QUERY:select * from emp_85,dep_85 where emp_85.dept_no=dep_85.dept_no;
OUTPUT:

```
SQL> select * from emp_85,dep_85 where emp_85.dept_no=dep_85.dept_no;

    EMP_NO EMP_NAME                       JOB
---------- ------------------------------ ------------------------------
   DEPT_NO        SAL    DEPT_NO DNAME
---------- ---------- ---------- ------------------------------
LOC
------------------------------
         1 greeshma                       manager
        10       1200         10 research
india

         3 sonia                          clerk
        10        860         10 research
india
```

```
    EMP_NO EMP_NAME                       JOB
---------- ------------------------------ ------------------------------
   DEPT_NO        SAL    DEPT_NO DNAME
---------- ---------- ---------- ------------------------------
LOC
------------------------------

         2 yuktha                         assistant
        20       1000         20 sales
newyork

         4 goutham                        accountant
        20       1450         20 sales

    EMP_NO EMP_NAME                       JOB
---------- ------------------------------ ------------------------------
   DEPT_NO        SAL    DEPT_NO DNAME
---------- ---------- ---------- ------------------------------
LOC
------------------------------
newyork
```

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

QUERY:

select * from emp_85,dep_85 where emp_85.dept_no!=dep_85.dept_no;

OUTPUT:

```
SQL> select * from emp_85,dep_85 where emp_85.dept_no!=dep_85.dept_no;

    EMP_NO EMP_NAME                       JOB
---------- ------------------------------ ------------------------------
   DEPT_NO        SAL    DEPT_NO DNAME
---------- ---------- ---------- ------------------------------
LOC
------------------------------
         1 greeshma                       manager
        10       1200         20 sales
newyork

         1 greeshma                       manager
        10       1200         30 accounting
chicago
```

```
    EMP_NO EMP_NAME                       JOB
---------- ------------------------------ ------------------------------
   DEPT_NO        SAL    DEPT_NO DNAME
---------- ---------- ---------- ------------------------------
LOC
------------------------------
        20       1000         40 operations
las vegas

         3 sonia                          clerk
        10        860         20 sales
newyork


    EMP_NO EMP_NAME                       JOB
---------- ------------------------------ ------------------------------
   DEPT_NO        SAL    DEPT_NO DNAME
---------- ---------- ---------- ------------------------------
LOC
------------------------------
         3 sonia                          clerk
        10        860         30 accounting
chicago

         3 sonia                          clerk
        10        860         40 operations
las vegas

    EMP_NO EMP_NAME                       JOB
---------- ------------------------------ ------------------------------
   DEPT_NO        SAL    DEPT_NO DNAME
---------- ---------- ---------- ------------------------------
LOC
------------------------------

         4 goutham                        accountant
        20       1450         10 research
india
```

```
    EMP_NO EMP_NAME                       JOB
---------- ------------------------------ ------------------------------
   DEPT_NO        SAL    DEPT_NO DNAME
---------- ---------- ---------- ------------------------------
LOC
------------------------------
chicago

         4 goutham                        accountant
        20       1450         40 operations
las vegas


12 rows selected.

SQL>
```

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

QUERY:

select stud1_85.name,grade from stud1_85 left outer join stud2_85 on stud1_85.reg_no=stud2_85.reg_no;

OUTPUT:

```
SQL> select stud1_85.name,grade from stud1_85 left outer join stud2_85 on
  2  stud1_85.reg_no=stud2_85.reg_no;

NAME                           GRADE
------------------------------ ------------------------------
greeshma                       A
abhishek                       O
nivi                           B
rithwik                        F
allen                          F
```

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

QUERY:

select stud1_85.reg_no, name,result from stud1_85 right outer join stud2_85 on stud1_85.reg_no = stud2_85.reg_no;

OUTPUT:

```
SQL> select stud1_85.reg_no, name,result from stud1_85 right outer join stud2_85 on stud1_85.reg_no = stud2_85.reg_no;

    REG_NO NAME                           RESULT
---------- ------------------------------ ------------------------------
       101 greeshma                       pass
       102 abhishek                       pass
       103 nivi                           pass
       104 rithwik                        fail
       105 allen                          fail
```

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

QUERY:select distinct * from emp_85 where emp_85.sal >= (select avg(sal) from emp_85);

OUTPUT:

```
SQL>  select distinct * from emp_85 where emp_85.sal >= (select avg(sal) from emp_85);

    EMP_NO EMP_NAME                       JOB
---------- ------------------------------ ------------------------------
   DEPT_NO        SAL
---------- ----------
         4 goutham                        accountant
        20       1450

         1 greeshma                       manager
        10       1200
```

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

QUERY:select emp_name from emp_85 full outer join dep_85 on (emp_85.dept_no= dep_85.dept_no);

OUTPUT:

```
SQL> select emp_name from emp_85 full outer join dep_85 on (emp_85.dept_no= dep_85.dept_no);

EMP_NAME
------------------------------
greeshma
yuktha
sonia
goutham
```

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

QUERY:select stud1_85.reg_no,name from stud1_85 full outer join stud2_85 on (stud1_85.reg_no= stud2_85.reg_no);

OUTPUT:

```
SQL> select stud1_85.reg_no,name from stud1_85 full outer join stud2_85 on (stud1_85.reg_no= stud2_85.reg_no);

    REG_NO NAME
---------- ------------------------------
       101 greeshma
       102 abhishek
       103 nivi
       104 rithwik
       105 allen
```

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

QUERY:SELECT emp_no,emp_name,emp_city,cust_id FROM employee_85,cust_85 where employee_85.emp_city=cust_85.cust_city;

OUTPUT:

```
SQL> SELECT emp_no,emp_name,emp_city,cust_id FROM  employee_85,cust_85 where
  2   employee_85.emp_city=cust_85.cust_city;

    EMP_NO EMP_NAME                       EMP_CITY
---------- ------------------------------ ------------------------------
   CUST_ID
----------
       100 reshma                         newyork
         1

       104 andrew                         india
         3

       105 viswa                          chicago
         4
```

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

QUERY:select emp_no,emp_name,dname from emp_85,dep_85 where emp_85.dept_no=dep_85.dept_no;

OUTPUT:

```
SQL> select emp_no,emp_name,dname from emp_85,dep_85 where emp_85.dept_no=dep_85.dept_no;

    EMP_NO EMP_NAME                       DNAME
---------- ------------------------------ ------------------------------
         1 greeshma                       research
         2 yuktha                         sales
         3 sonia                          research
         4 goutham                        sales
```

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

QUERY: Select cust_firstname,cust_lastname ,loan_id from cust_85,loan_85 where cust_85.cust_id=loan_85.cust_id;

OUTPUT:

```
SQL> Select cust_firstname,cust_lastname ,loan_id from cust_85,loan_85 where
  2  cust_85.cust_id=loan_85.cust_id;

CUST_FIRSTNAME                 CUST_LASTNAME
------------------------------ ------------------------------
LOAN_ID
------------------------------
allen                          basil
N113

hyfa                           sakir
K789

aravind                        menon
H654
```

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