

18CSC303J-Database Management System

Experiment 8

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SET OPERATORS

Creating table:

```
create table EMP041 (Ename varchar2(20), DeptId number(2));
```

```
create table Department041 (DeptId number(2), DeptName varchar(15));
```

```
desc EMP041;
```

```
desc Department041;
```

EMP

```
INSERT INTO EMP041 VALUES ('Baby Yoda', 01);
```

```
INSERT INTO EMP041 VALUES ('Din Djarin', 21);
```

```
INSERT INTO EMP041 VALUES ('Boba Fett', 02);
```

```
INSERT INTO EMP041 VALUES ('Master Luke', 10);
```

```
INSERT INTO EMP041 VALUES ('Kylo Ren', 03);
```

Dept

```
INSERT INTO Department041 VALUES (01, 'Operations');
```

```
INSERT INTO Department041 VALUES (02, 'Management');
```

```
INSERT INTO Department041 VALUES (03, 'Sales');
```

```
INSERT INTO Department041 VALUES (69, 'Finance');
```

```
INSERT INTO Department041 VALUES (18, 'HR');
```

```
SQL> create table EMP041 (Ename varchar2(20), DeptId number(2));
Table created.

SQL> create table Department041 (DeptId number(2), DeptName varchar(15));
Table created.

SQL>
SQL> desc EMP041;
Name                               Null?    Type
-----
ENAME                               VARCHA2(20)
DEPTID                              NUMBER(2)

SQL> desc Department041;
Name                               Null?    Type
-----
DEPTID                              NUMBER(2)
DEPTNAME                            VARCHA2(15)

SQL>
```

```
SQL> SELECT * FROM EMP041;

ENAME                               DEPTID
-----
Baby Yoda                           1
Din Djarin                          21
Boba Fett                           2
Master Luke                         10
Kylo Ren                            3

SQL> SELECT * FROM Department041;

DEPTID DEPTNAME
-----
1 Operations
2 Management
3 Sales
69 Finance
18 HR

SQL>
```

1. Display all the dept numbers available with the dept and emp tables avoiding duplicates.

(SELECT DeptId FROM EMP041) UNION (SELECT DeptId FROM Department041);

```
SQL> (SELECT DeptId FROM EMP041) UNION (SELECT DeptId FROM Department041);

  DEPTID
-----
       1
       2
       3
      10
      18
      21
      69

7 rows selected.

SQL>
```

2. Display all the dept numbers available with the dept and emp tables.

(SELECT DeptId FROM EMP041) UNION ALL (SELECT DeptId FROM Department041);

```
SQL> (SELECT DeptId FROM EMP041) UNION ALL (SELECT DeptId FROM Department041);

  DEPTID
-----
       1
      21
       2
      10
       3
       1
       2
       3
      69
      18

10 rows selected.

SQL>
```

3. Display all the dept numbers available in emp and not in dept tables and vice versa.

(SELECT DeptId FROM EMP041) MINUS (SELECT DeptId FROM Department041);

(SELECT DeptId FROM Department041) MINUS (SELECT DeptId FROM EMP041);

```
SQL> (SELECT DeptId FROM EMP041) MINUS (SELECT DeptId FROM Department041);
```

```
DEPTID
```

```
-----
```

```
10
```

```
21
```

```
SQL> (SELECT DeptId FROM Department041) MINUS (SELECT DeptId FROM EMP041);
```

```
DEPTID
```

```
-----
```

```
18
```

```
69
```

```
SQL>
```