# **EXPERIMENT 7 Displaying data from multiple tables**

```
SQL> select * from employee;
        ID NAME
                                 DOJ
                                                SALARY
                                                              DID
       101 jack
                                 07-DEC-94
                                                 15655
                                                                1
       102 kay
                                 05-AUG-96
                                                 18500
                                                                3
       103 lisa
                                                                5
                                14-0CT-91
                                                 25000
                                 21-NOV-97
       104 ray
                                                                1
                                                 11000
       105 alex
                                                                2
                                 28-SEP-96
                                                 16000
SQL> select * from dept;
       DID DNAME
                      DLOC
         1 cse
                      admin
         2 it
                      admin
         3 ece
                      workshop
         4 eee
                      workshop
         5 ft
                      aero
SQL> select e.name, e.did, d.dname from employee e inner join dept d on e.did=d.did;
NAME
                             DID DNAME
jack
                               1 cse
kay
                               3 ece
                               5 ft
lisa
                               1 cse
ray
                               2 it
alex
```

```
SQL> select * from employee;
       ID NAME
                                DOJ
                                              SALARY
                                                            DID
                                07-DEC-94
      101 jack
                                               15655
      05-AUG-96
                                                              3
5
                                               18500
      103 lisa
                                14-0CT-91
                                               25000
                                21-NOV-97
                                                              1
      104 ray
                                               11000
                                28-SEP-96
                                                              2
      105 alex
                                               16000
SQL> select distinct e.did, d.dname, d.dloc from employee e inner join dept d on d.did=e.did;
      DID DNAME
                      DLOC
        1 cse
                      admin
        3 ece
                      workshop
        5 ft
                      aero
         2 it
                      admin
SQL>
```

#### Departments with no employee:

```
SQL> select * from dept;
       DID DNAME
                      DLOC
         1 cse
                      admin
         2 it
                      admin
         3 ece
                      workshop
         4 eee
                      workshop
         5 ft
                      aero
SQL> select * from employee;
        ID NAME
                                 DOJ
                                               SALARY
                                                             DID
       101 jack
102 kay
                                 07-DEC-94
                                                15655
                                                                1
                                 05-AUG-96
                                                18500
                                                                3
       103 lisa
                                 14-0CT-91
                                                25000
                                                                5
                                 21-NOV-97
       104 ray
                                                11000
                                                                1
       105 alex
                                 28-SEP-96
                                                16000
                                                                2
SQL> select d.dname from dept d where d.did not in (select e.did from employ
ee e inner join dept d on e.did=d.did);
DNAME
eee
SQL>
```

### Departments offering a higher salary:

```
SQL> select d.did,d.dname from employee e inner join dept d on d.did=e.did w here salary>18000;

DID DNAME

3 ece
5 ft

SQL>
```

## Employees who belong to admin block:

```
SQL> select * from employee;
         ID NAME
                                                         SALARY
                                                                          DID
                                        DOJ
                                       07-DEC-94
05-AUG-96
14-OCT-91
         101 jack
102 kay
103 lisa
                                                          15655
18500
                                                                             1
3
5
1
2
                                                          25000
        104 ray
105 alex
                                                          11000
                                        21-NOV-97
                                        28-SEP-96
                                                          16000
SQL> select * from dept;
        DID DNAME
                           DLOC
           1 cse
2 it
3 ece
                           admin
                           admin
                           workshop
                           workshop
           4 eee
           5 ft
                           aero
SQL> select e.id,e.name,d.dname,d.dloc from employee e inner join dept d on e.did=d.did where d.dloc='admin';
          ID NAME
                                        DNAME
                                                     DLOC
        101 jack
104 ray
105 alex
                                        cse
                                                     admin
                                                     admin
                                        cse
                                        it
                                                     admin
SQL>
```

#### Employees who were hired after kay:

Employees who were hired after kay.					
SQL> select * from employee;					
ID NAME		DOJ	SALARY	DID	
101 jack		07-DEC-94		1 3	
102 kay 103 lisa		05-AUG-96 14-0CT-91		5	
104 ray		21-NOV-97		1	
105 alex		28-SEP-96		2	
SQL> select name from employee where doj>(select doj from employee where name='kay');					
ray alex					
SQL> select name,doj from employee where doj>(select doj from employee where name='kay');					
NAME	DOJ				
ray alex	21-NOV-97 28-SEP-96				