PEN: 200840131012

PRACTICAL-8

AIM: Manipulating data

Perform the following queries:

1. Give 10% interest to all depositors.

```
SQL> UPDATE DEPOSIT SET AMOUNT=AMOUNT+(AMOUNT*0.1);
9 rows updated.
SQL> SELECT * FROM DEPOSIT;
                BNAME
                                               AMOUNT ADATE
ACTNO CNAME
              VRCE
AJNI
KAROLBAGH
CHANDI
M.G.ROAD
ANDHERI
                                                1100 01-MAR-95
     ANIL
100
    SUNIL
                                                 5500 04-JAN-96
101
                                                 3850 17-NOV-95
   MADHE
PRMOD
ANDIP
102
                                                 1320 17-DEC-95
     MADHURI
104
105
                                                  3300 27-MAR-96
                                                  2200 31-MAR-96
106
     SANDIP
                        VIRAR
                                                  1100 05-SEP-95
107
     SHIVANI
108
                       NEHRU PLACE
                                                 5500 02-JUL-95
     KRANTI
109
     MINU
                        POWAI
                                                 7700 10-AUG-95
 rows selected.
```

2. Give 10% interest to all depositors having branch vrce.

```
SQL> UPDATE DEPOSIT SET AMOUNT=AMOUNT+(AMOUNT*0.1) WHERE BNAME='VRCE';
1 row updated.
SQL> SELECT * FROM DEPOSIT;
ACTNO CNAME
                        BNAME
                                             AMOUNT ADATE
                      VRCE
100 ANIL
                                               1210 01-MAR-95
                                               5500 04-JAN-96
101 SUNIL
                     AJNI
                     KAROLBAGH
CHANDI
                                               3850 17-NOV-95
102 MEHUL
                                               1320 17-DEC-95
   MADHURI
104
                                               3300 27-MAR-96
105
     PRMOD
                       M.G.ROAD
106
     SANDIP
                       ANDHERI
                                               2200 31-MAR-96
107
                       VIRAR
                                               1100 05-SEP-95
     SHIVANI
                       NEHRU PLACE
                                               5500 02-JUL-95
108
     KRANTI
109
     MINU
                       POWAI
                                               7700 10-AUG-95
9 rows selected.
```

PEN: 200840131012

3. Give 10% interest to all depositors living in nagpur and having branch city Delhi.

```
SQL> UPDATE DEPOSIT SET AMOUNT=AMOUNT+(AMOUNT*0.1) WHERE CNAME=(SELECT D.CNAME FROM
DEPOSIT D, BRANCH B, CUSTOMERS C WHERE D.CNAME=C.CNAME AND D.BNAME=B.BNAME AND C.CIT
 ='NAGPUR' AND B.CITY='DELHI');
1 row updated.
SQL> SELECT * FROM DEPOSIT;
                        BNAME
ACTNO CNAME
                                              AMOUNT ADATE
              VRCE
AJNI
KAROLBAGH
SHANDI
100
     ANIL
                                                1210 01-MAR-95
101
     SUNIL
                                                5500 04-JAN-96
                                                3850 17-NOV-95
102
     MEHUL
     MADHURI
104
                                                1452 17-DEC-95
105
     PRMOD
                                                3300 27-MAR-96
                                                2200 31-MAR-96
106
     SANDIP
                       ANDHERI
107
                                                1100 05-SEP-95
     SHIVANI
                       VIRAR
                       NEHRU PLACE
108
     KRANTI
                                                5500 02-JUL-95
109
     MINU
                        POWAI
                                                7700 10-AUG-95
9 rows selected.
```

4. Write a query which changes the department number of all employees with empno 101's job to employee 104'current department number.

```
SQL> UPDATE EMPLOYEE SET DEPT_NO=(SELECT DEPT_NO FROM EMPLOYEE WHERE EMP_N=104) WHE
RE EMP N=101;
1 row updated.
SQL> SELECT * FROM EMPLOYEE;
                                           EMP_SAL EMP_COMM DEPT_NO
    EMP_N EMP_NAME
      101 Smith
                                               800
                                                                      15
                                              1600
                                                         300
      102 Snehal
                                                                     25
      103 Adama
                                              1100
                                                          0
                                                                     20
      104 Aman
                                                                      15
      105 Anita
                                              5000
                                                        50000
                                                                      10
                                                       24500
                                                                      10
      106 Sneha
                                              2450
                                                                      30
      107 Anamika
                                              2975
 rows selected.
```

5. Transfer 10 Rs from account of anil to sunil if both are having same branch.

```
SQL> UPDATE DEPOSIT SET AMOUNT=AMOUNT+10 WHERE CNAME='SUNIL' AND BNAME=(SELECT BNAM
E FROM DEPOSIT WHERE CNAME='ANIL');
0 rows updated.
```

PEN: 200840131012

6. Give 100 Rs more to all depositors if they are maximum depositors in their respective branch.

```
SQL> UPDATE DEPOSIT SET AMOUNT=AMOUNT+100 WHERE CNAME IN(SELECT CNAME FROM DEPOSIT
WHERE AMOUNT IN(SELECT MAX(AMOUNT) FROM DEPOSIT GROUP BY BNAME));
9 rows updated.
SQL> SELECT * FROM DEPOSIT;
ACTNO CNAME
                       BNAME
                                             AMOUNT ADATE
                                               1310 01-MAR-95
100
     ANIL
                       VRCE
101
    SUNIL
                       AJNI
                                              5600 04-JAN-96
102
     MEHUL
                      KAROLBAGH
                                               3950 17-NOV-95
104
     MADHURI
                      CHANDI
                                               1552 17-DEC-95
105
     PRMOD
                      M.G.ROAD
                                               3400 27-MAR-96
106
     SANDIP
                      ANDHERI
                                               2300 31-MAR-96
                                               1200 05-SEP-95
     SHIVANI
107
                       VIRAR
                                               5600 02-JUL-95
108
                       NEHRU PLACE
     KRANTI
109
     MINU
                       POWAI
                                               7800 10-AUG-95
9 rows selected.
```

7. Delete depositors of branches having number of customers between 1 to 3.

```
SQL> DELETE DEPOSIT BNAME WHERE BNAME IN(SELECT BNAME FROM DEPOSIT GROUP BY BNAME H
AVING COUNT(CNAME)BETWEEN 1 AND 3);
9 rows deleted.
SQL> SELECT * FROM DEPOSIT;
no rows selected
```

8. Delete deposit of vijay.

```
SQL> DELETE DEPOSIT WHERE CNAME='VIJAY';
0 rows deleted.
```

9. Delete borrower of branches having average loan less than 1000.

```
SQL> DELETE BORROW WHERE BNAME IN(SELECT BNAME FROM BORROW GROUP BY BNAME HAVING AV
G(AMOUNT)<1000);
0 rows deleted.
```