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;

ACTNO CNAME              BNAME                  AMOUNT ADATE
----- ----------------   ----------------   ---------- ---------
100   ANIL               VRCE                     1100 01-MAR-95
101   SUNIL              AJNI                     5500 04-JAN-96
102   MEHUL              KAROLBAGH                3850 17-NOV-95
104   MADHURI            CHANDI                   1320 17-DEC-95
105   PRMOD              M.G.ROAD                 3300 27-MAR-96
106   SANDIP             ANDHERI                  2200 31-MAR-96
107   SHIVANI            VIRAR                    1100 05-SEP-95
108   KRANTI             NEHRU PLACE              5500 02-JUL-95
109   MINU               POWAI                    7700 10-AUG-95

9 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
----- ----------------   ----------------   ---------- ---------
100   ANIL               VRCE                     1210 01-MAR-95
101   SUNIL              AJNI                     5500 04-JAN-96
102   MEHUL              KAROLBAGH                3850 17-NOV-95
104   MADHURI            CHANDI                   1320 17-DEC-95
105   PRMOD              M.G.ROAD                 3300 27-MAR-96
106   SANDIP             ANDHERI                  2200 31-MAR-96
107   SHIVANI            VIRAR                    1100 05-SEP-95
108   KRANTI             NEHRU PLACE              5500 02-JUL-95
109   MINU               POWAI                    7700 10-AUG-95

9 rows selected.
```

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
Y ='NAGPUR' AND B.CITY='DELHI');

1 row updated.

SQL> SELECT * FROM DEPOSIT;

ACTNO CNAME               BNAME               AMOUNT ADATE
----- ----------------    ----------------    ---------- ---------
100   ANIL                VRCE                  1210 01-MAR-95
101   SUNIL               AJNI                  5500 04-JAN-96
102   MEHUL               KAROLBAGH             3850 17-NOV-95
104   MADHURI             CHANDI                1452 17-DEC-95
105   PRMOD               M.G.ROAD              3300 27-MAR-96
106   SANDIP              ANDHERI               2200 31-MAR-96
107   SHIVANI             VIRAR                 1100 05-SEP-95
108   KRANTI              NEHRU PLACE           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_N EMP_NAME                              EMP_SAL   EMP_COMM   DEPT_NO
--------- ------------------------------       ---------- ---------- ----------
      101 Smith                                    800                      15
      102 Snehal                                  1600        300           25
      103 Adama                                   1100          0           20
      104 Aman                                    3000                      15
      105 Anita                                   5000      50000           10
      106 Sneha                                   2450      24500           10
      107 Anamika                                 2975                      30

7 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.
```

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
----- ----------------   ------------------   ---------- ---------
100   ANIL               VRCE                      1310 01-MAR-95
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
107   SHIVANI            VIRAR                     1200 05-SEP-95
108   KRANTI             NEHRU PLACE               5600 02-JUL-95
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.
```