Experiment – 6

Aim:

Write the queries to implement the joins.

JOIN Queries:

Query-1: Give name of customers living in city Bombay and having branch city Nagpur.

```
MariaDB [bank]> SELECT C.CNAME FROM CUSTOMERS C JOIN BRANCH B1 ON C.CITY = "BOMBAY" AND B1.CITY
= "NAGPUR" AND C.CNAME = B1.BNAME;
Empty set (0.001 sec)
```

Query-2: Give names of customers having the same living city as their branch city.

```
MariaDB [bank]> SELECT C.CNAME FROM CUSTOMERS C JOIN BRANCH B ON C.CITY = B.CITY AND C.CNAME
= B.BNAME;
Empty set (0.001 sec)
```

Query-3: Give names of customers who are borrowers as well as depositors and having living city Nagpur.

```
MariaDB [bank]> SELECT C.CNAME FROM CUSTOMERS C JOIN DEPOSIT D ON C.CNAME = D.CNAME JOIN BORR
OW B ON C.CNAME = B.CNAME WHERE C.CITY = "NAGPUR";
+---------+
| CNAME   |
+---------+
| ANIL    |
| MADHURI |
| PRAMOD  |
+---------+
```

Query-4: Give names of customers who are depositors and have the same brand city as that of Sunil.

```
MariaDB [bank]> SELECT C.CNAME FROM CUSTOMERS C JOIN DEPOSIT D ON C.CNAME = D.CNAME JOIN BRAN
CH B1 ON C.CNAME = "SUNIL" AND B1.BNAME = "SUNIL" AND D.BNAME = B1.CITY;
Empty set (0.001 sec)
```

Query-5: Gave names of depositors having the same living city as that of Anil, and having deposit amount greater than 2000.

```
MariaDB [bank]> SELECT C.CNAME FROM CUSTOMERS C JOIN DEPOSIT D ON C.CNAME = D.CNAME WHERE
C.CITY = (SELECT CITY FROM CUSTOMERS WHERE CNAME = "ANIL") AND D.AMOUNT > 2000;
+---------+
| CNAME   |
+---------+
| ANIL    |
| MADHURI |
| PRAMOD  |
+---------+
```

Query-6: Retrieve the list of customers who have made a deposit but have not borrowed any money, along with the corresponding branch names.

```
MariaDB [bank]> SELECT C.CNAME, B.BNAME FROM CUSTOMERS C JOIN DEPOSIT D ON C.CNAME = D.CNAME LEF
T JOIN BORROW R ON C.CNAME = R.CNAME JOIN BRANCH B ON D.BNAME = B.BNAME WHERE R.CNAME IS NULL;
+---------+---------+
| CNAME   | BNAME   |
+---------+---------+
| SANDIP  | ANDHERI |
| SHIVANI | VIRAR   |
+---------+---------+
```

Query-7: Find the customers who have borrowed money and the corresponding branch names where they have borrowed from.

```
MariaDB [bank]> SELECT C.CNAME, B.BNAME FROM CUSTOMERS C JOIN BORROW
R ON C.CNAME = R.CNAME JOIN BRANCH B ON R.BNAME = B.BNAME;
+---------+-------------+
| CNAME   | BNAME       |
+---------+-------------+
| ANIL    | VRCE        |
| MEHUL   | AJNI        |
| MADHURI | ANDHERI     |
| PRAMOD  | VIRAR       |
| KRANTI  | NEHRU PLACE |
+---------+-------------+
```

Query-8: Retrieve the list of branches along with the total amount deposited in each branch.

```
MariaDB [bank]> SELECT B.BNAME, SUM(D.AMOUNT) AS TotalDeposit FROM BRANCH B JOIN
 DEPOSIT D ON B.BNAME = D.BNAME GROUP BY B.BNAME;
+-------------+--------------+
| BNAME       | TotalDeposit |
+-------------+--------------+
| AJNI        |        12200 |
| ANDHERI     |         2200 |
| CHANDNI     |         4525 |
| KAROLBAGH   |         8800 |
| M.G.ROAD    |         4525 |
| NEHRU PLACE |         3300 |
| POWAI       |         5500 |
| VIRAR       |         4100 |
| VRCE        |        21000 |
+-------------+--------------+
```

Query-9: Find the customers who have both made a deposit and borrowed money, along with the corresponding branch names.

```
MariaDB [bank]> SELECT C.CNAME, B.BNAME FROM CUSTOMERS C JOIN DEPOSIT D ON C.CNAME
 = D.CNAME JOIN BORROW R ON C.CNAME = R.CNAME JOIN BRANCH B ON D.BNAME = B.BNAME;
+---------+-------------+
| CNAME   | BNAME       |
+---------+-------------+
| ANIL    | VRCE        |
| MEHUL   | KAROLBAGH   |
| MADHURI | CHANDNI     |
| PRAMOD  | M.G.ROAD    |
| KRANTI  | NEHRU PLACE |
+---------+-------------+
```

Query-10: Retrieve the list of customers along with their corresponding branch names where they have made a deposit.

```
MariaDB [bank]> SELECT C.CNAME, B.BNAME FROM CUSTOMERS C JOIN DEPOSIT
 D ON C.CNAME = D.CNAME JOIN BRANCH B ON D.BNAME = B.BNAME;
+---------+-------------+
| CNAME   | BNAME       |
+---------+-------------+
| ANIL    | VRCE        |
| MEHUL   | KAROLBAGH   |
| MADHURI | CHANDNI     |
| PRAMOD  | M.G.ROAD    |
| SANDIP  | ANDHERI     |
| SHIVANI | VIRAR       |
| KRANTI  | NEHRU PLACE |
+---------+-------------+
```