

## ASSIGNMENT-3

### Questions

1. Retrieve the address of customer fname as 'Chris' and lname as 'Bailey'.

```
mysql> select * from cust_mstr;
```

```
+-----+-----+-----+
| cust_no | fname      | lname      |
+-----+-----+-----+
| C101     | Chris      | Bailey     |
| C102     | Robert     | Kiyosaki   |
| C103     | Napoleon   | Hill       |
| C104     | Sharda     | Thakur     |
| C105     | Abhimanyu  | Sharma     |
+-----+-----+-----+
```

```
5 rows in set (0.00 sec)
```

```
mysql> select * from add_dets;
```

```
+-----+-----+-----+-----+-----+-----+
| code_no | add1          | add2        | state      | city        | pincode |
+-----+-----+-----+-----+-----+-----+
| C101     | Bellevue Square | Kihei       | Maui       | Hawaii      | 125486  |
| C102     | Times Square   | Manhattan   | New York   | Manhattan   | 1254789 |
| C103     | Mountain View  | California  | California | California  | 154879  |
| C104     | RK Puram       | Delhi       | Delhi      | Delhi      | 152645  |
| C105     | MG Road        | Pune        | Maharashtra | Pune        | 411068  |
| B101     | JM Road        | Pune        | Maharashtra | Pune        | 411078  |
| B102     | SB Road        | Pune        | Maharashtra | Pune        | 411045  |
+-----+-----+-----+-----+-----+-----+
```

```
7 rows in set (0.00 sec)
```

```
mysql> select add1, add2 from add_dets where code_no in (select
cust_no from cust_mstr where fname='Chris' and lname='Bailey');
```

```
+-----+-----+
| add1          | add2    |
+-----+-----+
| Bellevue Square | Kihei   |
+-----+-----+
1 row in set (0.00 sec)
```

## 2. List the customer holding fixed deposit of amount more than 5000

```
mysql> select fname, lname from cust_mstr where cust_no in
(select code_no from acc_fd_cust_dets where acc_fd_no in (select
fd_sr_no from fd_dets where amt>5000));
```

```
+-----+-----+
| fname      | lname    |
+-----+-----+
| Robert     | Kiyosaki |
| Sharda     | Thakur   |
| Abhimanyu  | Sharma   |
+-----+-----+
3 rows in set (0.01 sec)
```

## 3. List the employee details along with branch names to which they belong.

```
mysql> select emp_no,f_name,l_name,m_name,dept,desg,branch_no,b.name from emp_mstr e
inner join branch_mstr b on e.branch_no=b.b_no;
+-----+-----+-----+-----+-----+-----+-----+-----+
| emp_no | f_name | l_name | m_name | dept | desg | branch_no | name      |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 1011   | Samarth | Deshmane | Suryakant | sports | trainer | 2011 | Akurdi    |
| 1012   | Sunil  | Patil   | Anil     | comp  | tester  | 2012 | Chinchwad |
| 1015   | Karan  | Kumar   | Umakant  | sports | umpire  | 2015 | Nigdi     |
+-----+-----+-----+-----+-----+-----+-----+-----+
```

3 rows in set (0.00 sec)

**4. List the employee details along with contact details using left outer join and right join.**

```
mysql> select emp_no,f_name,l_name,m_name,dept,c.code_no,c.cntc_type,c.cntc_data from emp_mstr e right join cntc_dets c on e.emp_no=c.code_no;
```

```
+-----+-----+-----+-----+-----+-----+-----+-----+
| emp_no | f_name | l_name | m_name | dept | code_no | cntc_type | cntc_data |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 1011   | Samarth | Deshmane | Suryakant | sports | 1011 | phno | 5648724968 |
| 1014   | Subhash | Kadam | Ajinkya | comp | 1014 | email | Subh@gmail.com |
+-----+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

```
mysql> select emp_no,f_name,l_name,m_name,dept,c.code_no,c.cntc_type,c.cntc_data from emp_mstr e right outer join cntc_dets c on e.emp_no=c.code_no;
```

```
+-----+-----+-----+-----+-----+-----+-----+-----+
| emp_no | f_name | l_name | m_name | dept | code_no | cntc_type | cntc_data |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 1011   | Samarth | Deshmane | Suryakant | sports | 1011 | phno | 5648724968 |
| 1014   | Subhash | Kadam | Ajinkya | comp | 1014 | email | Subh@gmail.com |
| NULL   | NULL | NULL | NULL | NULL | 1016 | email | 1016@gmail.com |
+-----+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

**5. List the customers who do not have bank branches in their vicinity.**

```
mysql> select * from cust_mstr where cust_no in (select code_no from add_dets where code_no like 'C%' and pincode not in (select pincode from add_dets where code_no like 'B%'));
```

```
+-----+-----+-----+
| cust_no | fname | lname |
+-----+-----+-----+
| C101 | Chris | Bailey |
| C102 | Robert | Kiyosaki |
| C103 | Napoleon | Hill |
| C104 | Sharda | Thakur |
| C105 | Abhimanyu | Sharma |
+-----+-----+-----+
5 rows in set (0.01 sec)
```

**6. A) Create View on borrower table by selecting any two columns and perform insert update delete operations**

```
mysql> select * from borrower;
```

```
+-----+-----+-----+
| acc_no | name | amount |
+-----+-----+-----+
| 101 | Adi | 15847 |
| 102 | Akshay | 65000 |
| 103 | Manav | 45216 |
+-----+-----+-----+
```

```
+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> select * from b1;
```

```
+-----+-----+
| name   | amount |
+-----+-----+
| Adi    | 15847  |
| Akshay | 65000  |
| Manav  | 45216  |
+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> update b1 set amount=7845 where name='Manav';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
mysql> select * from borrower;
```

```
+-----+-----+-----+
| acc_no | name   | amount |
+-----+-----+-----+
| 101    | Adi    | 15847  |
| 102    | Akshay | 65000  |
| 103    | Manav  | 7845   |
+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> delete from b1 where name='Manav';
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from borrower;
```

```
+-----+-----+-----+
| acc_no | name   | amount |
+-----+-----+-----+
| 101    | Adi    | 15847  |
| 102    | Akshay | 65000  |
+-----+-----+-----+
2 rows in set (0.00 sec)
```

**B) Create view on borrower and depositor table by selecting any one column from each table perform insert update delete operations**

```
mysql> select * from borrower;
```

```
+-----+-----+-----+
| acc_no | name   | amount |
+-----+-----+-----+
| 101    | Adi    | 15847  |
| 102    | Akshay | 65000  |
```

```
+-----+-----+-----+
2 rows in set (0.00 sec)
```

```
mysql> select * from depositor;
+-----+-----+-----+
| dacc_no | dname  | damount |
+-----+-----+-----+
|      102 | Akshay |   45789 |
|      104 | Jimmy  |    4500 |
|      103 | Manav  |  156789 |
+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> select * from b3;
+-----+-----+
| amount | damount |
+-----+-----+
|  65000 |   45789 |
|  15847 |   45789 |
|  65000 |    4500 |
|  15847 |    4500 |
|  65000 |  156789 |
|  15847 |  156789 |
+-----+-----+
6 rows in set (0.00 sec)
```

**C) Create updateable view on borrower table by selecting any two columns and perform insert, update and delete operations.**

```
mysql> create table borrower (acc_no int primary key, name
varchar(10), amount double);
```

Query OK, 0 rows affected (0.07 sec)

```
mysql> insert into borrower values(101, 'Abhi', 10000);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into borrower values(102, 'Adi', 4500);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into borrower values(103, 'Swati', 45216);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> create view bview as select acc_no,amount from borrower;
```

Query OK, 0 rows affected (0.02 sec)

```
mysql> insert into bview values(104,58901);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> select * from borrower;
```

```
+-----+-----+-----+
| acc_no | name  | amount |
+-----+-----+-----+
|    101 | Abhi  |  10000 |
|    102 | Adi   |   4500 |
|    103 | Swati |  45216 |
|    104 | NULL  |  58901 |
+-----+-----+-----+
4 rows in set (0.00 sec)
```

```
mysql> update bview set amount=45000 where acc_no=104;
```

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

```
mysql> select * from borrower;
```

```
+-----+-----+-----+
| acc_no | name  | amount |
+-----+-----+-----+
|    101 | Abhi  |  10000 |
|    102 | Adi   |   4500 |
|    103 | Swati |  45216 |
|    104 | NULL  |  45000 |
```

```
+-----+-----+-----+
4 rows in set (0.00 sec)
```

```
mysql> select * from bview;
```

```
+-----+-----+
| acc_no | amount |
+-----+-----+
|    101 | 10000 |
|    102 |  4500 |
|    103 | 45216 |
|    104 | 45000 |
+-----+-----+
4 rows in set (0.00 sec)
```

```
mysql> delete from bview where acc_no=104;
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from bview;
```

```
+-----+-----+
| acc_no | amount |
+-----+-----+
|    101 | 10000 |
|    102 |  4500 |
|    103 | 45216 |
+-----+-----+
3 rows in set (0.00 sec)
```