

## ASSIGNMENT 3

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**Roll No:**18

**Batch:**T1

### Step 1: Create Cust\_info table

```
mysql> create table Cust_info
      -> (cid int,cname varchar(20),city varchar(20));
Query OK, 0 rows affected (0.47 sec)
```

```
mysql> desc Cust_info;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| cid   | int(11) | YES | | NULL | |
| cname | varchar(20) | YES | | NULL | |
| city  | varchar(20) | YES | | NULL | |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> insert into Cust_info
      -> values
      ->
(1,'john','nashik'),(2,'sima','aurangabad'),(3,'amita','nagar'),(4,'rakesh','pune'),(5,'samata','nashik'),(6,'ankita','chandwad'),(7,'bhavika','pune'),(8,'deepa','mumbai'),(9,'nitin','nagpur'),(10,'po oja','pune');
Query OK, 10 rows affected (0.08 sec)
```

```
mysql> select * from Cust_info;
+-----+-----+-----+
| cid | cname | city |
+-----+-----+-----+
| 1 | john | nashik |
| 2 | sima | aurangabad |
| 3 | amita | nagar |
| 4 | rakesh | pune |
| 5 | samata | nashik |
| 6 | ankita | chandwad |
```

```
| 7 | bhavika | pune |
| 8 | deepa | mumbai |
| 9 | nitin | nagpur |
| 10 | pooja | pune |
+-----+-----+-----+
10 rows in set (0.00 sec)
```

## Step 2: Create Acc\_info table

```
mysql> create table Acc_info
-> (aid int,atype varchar(10),amount int);
Query OK, 0 rows affected (0.44 sec)
```

```
mysql> desc Acc_info;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| aid | int(11) | YES | | NULL | |
| atype | varchar(10) | YES | | NULL | |
| amount | int(11) | YES | | NULL | |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> insert into Acc_info
-> values
->
(1,'current',5000),(2,'saving',20000),(3,'saving',70000),(4,'saving',50000),(6,'current',35000),(
7,'loan',30000),(8,'saving',50000),(9,'saving',90000),(10,'loan',8000),(11,'current',45000); Query
OK, 10 rows affected (0.19 sec)
Records: 10 Duplicates: 0 Warnings: 0
```

```
mysql> select * from Acc_info;
+-----+-----+-----+
| aid | atype | amount |
+-----+-----+-----+
| 1 | current | 5000 |
| 2 | saving | 20000 |
| 3 | saving | 70000 |
| 4 | saving | 50000 |
| 6 | current | 35000 |
| 7 | loan | 30000 |
| 8 | saving | 50000 |
| 9 | saving | 90000 |
| 10 | loan | 8000 |
```

```
| 11 | current | 45000 |
+-----+-----+-----+
10 rows in set (0.00 sec)
```

**.Show the cname, Acc\_Type, amount information of customer who is having an saving account.**

```
' mysql> select cid,cname,city,aid,atype,amount from customer,account where
customer.cid=account.aid;
```

```
+-----+-----+-----+-----+-----+-----+
| cid | cname | city | aid | atype | amount |
+-----+-----+-----+-----+-----+-----+
| 1 | john | nashik | 1 | current | 5000 |
| 2 | sima | aurangabad | 2 | saving | 20000 |
| 3 | amita | nagar | 3 | saving | 70000 |
| 4 | rakesh | pune | 4 | saving | 50000 |
| 6 | ankita | chandwad | 6 | current | 35000 |
| 7 | bhavika | pune | 7 | loan | 30000 |
| 8 | deepa | mumbai | 8 | saving | 50000 |
| 9 | nitin | nagpur | 9 | saving | 90000 |
| 10 | pooja | pune | 10 | loan | 8000 |
+-----+-----+-----+-----+-----+-----+
9 rows in set (0.00 sec)
```

**Display the data using Natural, left and right join.**

- **Display the information of customers living in the same city as of ‘pooja’.**
- **Display the information of account, having less amount than average amount throughout the bank.**
- **Display the C\_id having maximum amount in account.**
- **Display the amount and acc\_type of those customers whose amount is the minimum amount of that Acc\_type.**
- **Display the amount of those accounts whose amount is higher than amount of any saving account amount.**

```
mysql> select cid,cname,city,aid,atype,amount from customer left join account on
customer.cid=account.aid;
```

```
+-----+-----+-----+-----+-----+-----+
| cid | cname | city | aid | atype | amount |
+-----+-----+-----+-----+-----+-----+
| 1 | john | nashik | 1 | current | 5000 |
| 2 | sima | aurangabad | 2 | saving | 20000 |
| 3 | amita | nagar | 3 | saving | 70000 |
| 4 | rakesh | pune | 4 | saving | 50000 |
```

6	ankita	chandwad	6	current	35000
7	bhavika	pune	7	loan	30000
8	deepa	mumbai	8	saving	50000
9	nitin	nagpur	9	saving	90000
10	pooja	pune	10	loan	8000
5	samata	nashik	NULL	NULL	NULL

10 rows in set (0.00 sec)

```
mysql> select cid,cname,city,aid,atype,amount from customer right join account on customer.cid=account.aid;
```

cid	cname	city	aid	atype	amount
1	john	nashik	1	current	5000
2	sima	aurangabad	2	saving	20000
3	amita	nagar	3	saving	70000
4	rakesh	pune	4	saving	50000
6	ankita	chandwad	6	current	35000
7	bhavika	pune	7	loan	30000
8	deepa	mumbai	8	saving	50000
9	nitin	nagpur	9	saving	90000
10	pooja	pune	10	loan	8000
NULL	NULL	NULL	11	current	45000

10 rows in set (0.00 sec)

```
mysql> select * from customer where city=(select city from customer where cname='pooja');
```

cid	cname	city
4	rakesh	pune
7	bhavika	pune
10	pooja	pune

3 rows in set (0.00 sec)

```
mysql> select * from account where amount<(select avg(amount) from account);
```

aid	atype	amount
1	current	5000
2	saving	20000
6	current	35000
7	loan	30000

```
| 10 | loan | 8000 |
+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
mysql> select avg(amount) from account;
+-----+
| avg(amount) |
+-----+
| 40300.0000 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> select aid,amount from account where amount=(select max(amount) from account);
+-----+-----+
| aid | amount |
+-----+-----+
| 9 | 90000 |
+-----+-----+
1 row in set (0.00 sec)
```

```
mysql> select atype,amount from account where amount=(select max(amount) from account where
atype='saving');
+-----+-----+
| atype | amount |
+-----+-----+
| saving | 90000 |
+-----+-----+
1 row in set (0.00 sec)
```

```
mysql> select amount,atype from account where amount in (select min(amount) from account
group by atype);
+-----+-----+
| amount | atype |
+-----+-----+
| 5000 | current |
| 20000 | saving |
| 8000 | loan |
+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql>
```