

DBMS Assignment A4

```
mysql> create table cust_mstr ( cust_no varchar(25) primary key , fname varchar(25) ,  
lname varchar(25));
```

Query OK, 0 rows affected (0.09 sec)

```
mysql> insert into cust_mstr values ( '1000' , 'Dhruvil' , 'Shah');
```

Query OK, 1 row affected (0.02 sec)

```
mysql> insert into cust_mstr values ( '1001' , 'Soham' , 'Khade');
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into cust_mstr values ( '1002' , 'Gaurav' , 'Verma');
```

Query OK, 1 row affected (0.01 sec)

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

```
+-----+-----+-----+  
| cust_no | fname   | lname  |  
+-----+-----+-----+  
| 1000    | Dhruvil | Shah   |  
| 1001    | Soham   | Khade  |  
| 1002    | Gaurav  | Verma  |  
+-----+-----+-----+
```

3 rows in set (0.01 sec)

```
mysql> create table add_dets ( code_no varchar(25) primary key , add1 varchar(25) , add2  
varchar(25) , state varchar(25) , city varchar(25) , pincode int, foreign key (code_no)  
references cust_mstr(cust_no));
```

Query OK, 0 rows affected (0.03 sec)

```
mysql> insert into add_dets values ( '1000' , 'Bhawani Peth' , " , 'Maharashtra' , 'Pune' ,  
411002);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into add_dets values ( '1001' , 'Amanora' , " , 'Maharashtra' , 'Pune' , 411037);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into add_dets values ( '1002' , 'Viman Nagar' , " , 'Maharashtra' , 'Pune' ,
411037);
Query OK, 1 row affected (0.01 sec)
```

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

code_no	add1	add2	state	city	pincode
1000	Bhawani Peth		Maharashtra	Pune	411002
1001	Amanora		Maharashtra	Pune	411037
1002	Viman Nagar		Maharashtra	Pune	411037

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

Retrieve the address of customer Fname as 'Dhruvil' and Lname as 'Shah'

```
mysql> select add1,add2,state,city,pincode from add_dets where code_no in(select cust_no
from cust_mstr where fname="Dhruvil" and lname="Shah");
```

add1	add2	state	city	pincode
Bhawani Peth		Maharashtra	Pune	411002

```
1 row in set (0.00 sec)
```

```
mysql> create table acc_fd_cust_dets(codeno varchar(25),acc_fd_no varchar(25) primary
key );
```

```
Query OK, 0 rows affected (0.04 sec)
```

```
mysql> insert into acc_fd_cust_dets values( '1000' , 'F10001');
```

```
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into acc_fd_cust_dets values( '1001' , 'F10002');
```

```
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from acc_fd_cust_dets;
```

```
+-----+-----+
| codeno | acc_fd_no |
+-----+-----+
| 1000   | F10001    |
| 1001   | F10002    |
+-----+-----+
```

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

```
mysql> create table fd_dets(fd_sr_no varchar(25) primary key ,amt int , foreign key
(fd_sr_no) references acc_fd_cust_dets(acc_fd_no));
```

```
Query OK, 0 rows affected (0.03 sec)
```

```
mysql> insert into fd_dets values ( 'F10001' , 500000 );
```

```
Query OK, 1 row affected (0.02 sec)
```

```
mysql> insert into fd_dets values ( 'F10002' , 7000 );
```

```
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from fd_dets;
```

```
+-----+-----+
| fd_sr_no | amt    |
+-----+-----+
| F10001   | 500000 |
| F10002   | 7000   |
+-----+-----+
```

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

List the customer holding fixed deposit of amount more than 5000

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

```
+-----+-----+  
| fname  | lname |  
+-----+-----+  
| Dhruvil | Shah  |  
| Soham   | Khade |  
+-----+-----+  
2 rows in set (0.01 sec)
```

```
mysql> create table emp_mstr(e_mpno varchar(25) primary key ,f_name  
varchar(25),l_name varchar(25) , m_name varchar(25) ,dept varchar(25) ,desg varchar(25)  
,branch_no varchar(25));  
Query OK, 0 rows affected (0.05 sec)
```

```
mysql> insert into emp_mstr values( 'E100' , 'Manish' , 'Shah' , ',' , 'W' , 'Manager' , 'B123');  
Query OK, 1 row affected (0.02 sec)
```

```
mysql> insert into emp_mstr values( 'E101' , 'Virat' , 'Kohli' , ',' , 'E' , 'Head' , 'B125');  
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into emp_mstr values( 'E102' , 'Yuzi' , 'Chahal' , ',' , 'N' , 'GM' , 'B135');  
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from emp_mstr;
```

```
+-----+-----+-----+-----+-----+-----+-----+  
| e_mpno | f_name | l_name | m_name | dept | desg | branch_no |  
+-----+-----+-----+-----+-----+-----+-----+  
| E100   | Manish | Shah   |        | W    | Manager | B123      |  
| E101   | Virat  | Kohli  |        | E    | Head    | B125      |  
| E102   | Yuzi   | Chahal |        | N    | GM      | B135      |  
+-----+-----+-----+-----+-----+-----+-----+
```

3 rows in set (0.00 sec)

```
mysql> create table branch_mstr(name varchar(25),b_no varchar (25) primary key);
```

Query OK, 0 rows affected (0.04 sec)

```
mysql> insert into branch_mstr values( 'NIBM' , 'B123');
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into branch_mstr values( 'Katraj' , 'B125');
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into branch_mstr values( 'Shivajinagar' , 'B135');
```

Query OK, 1 row affected (0.01 sec)

```
mysql> select * from branch_mstr;
```

name	b_no
NIBM	B123
Katraj	B125
Shivajinagar	B135

3 rows in set (0.00 sec)

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

```
mysql> select E.e_mpno,E.f_name,E.l_name,E.m_name,E.dept,E.desg,B.name from  
emp_mstr E,branch_mstr B where E.branch_no = B.b_no;
```

e_mpno	f_name	l_name	m_name	dept	desg	name
E100	Manish	Shah		W	Manager	NIBM
E101	Virat	Kohli		E	Head	Katraj

E102	Yuzi	Chahal		N	GM	Shivajinaga
------	------	--------	--	---	----	-------------

3 rows in set (0.00 sec)

```
mysql> create table cntc_dets(code_no varchar(25) primary key ,cntc_type varchar(25)
,cntc_data int);
Query OK, 0 rows affected (0.05 sec)
```

```
mysql> insert into cntc_dets values ( 'E100' , 'Home' , 12345678 );
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into cntc_dets values ( 'E101' , 'Temp' , 1234567890 );
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into cntc_dets values ( 'E102' , 'Work' , 1234567891 );
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from cntc_dets;
```

code_no	cntc_type	cntc_data
E100	Home	12345678
E101	Temp	1234567890
E102	Work	1234567891

3 rows in set (0.00 sec)

List the employee details along with contact details using left outer join & right join

```
mysql> select e_mpno,f_name,l_name,m_name,dept,cntc_type,cntc_data from emp_mstr
left outer join cntc_dets on emp_mstr.e_mpno=cntc_dets.code_no;
```

```

+-----+-----+-----+-----+-----+-----+-----+
| e_mpno | f_name | l_name | m_name | dept | cntc_type | cntc_data |
+-----+-----+-----+-----+-----+-----+-----+
| E100   | Manish | Shah   |        | W    | Home      | 12345678 |
| E101   | Virat  | Kohli  |        | E    | Temp      | 1234567890 |
| E102   | Yuzi   | Chahal |        | N    | Work      | 1234567891 |
+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)

```

```

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

```

```

+-----+-----+-----+-----+-----+-----+-----+
| e_mpno | f_name | l_name | m_name | dept | cntc_type | cntc_data |
+-----+-----+-----+-----+-----+-----+-----+
| E100   | Manish | Shah   |        | W    | Home      | 12345678 |
| E101   | Virat  | Kohli  |        | E    | Temp      | 1234567890 |
| E102   | Yuzi   | Chahal |        | N    | Work      | 1234567891 |
+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

```

List the customer who do not have bank branches in their vicinity.

```

mysql> create table Borrower ( Cust_no varchar(25) , loan_no varchar(25) primary key );
Query OK, 0 rows affected (0.04 sec)

```

```

mysql> create view borrow as select * from Borrower;
Query OK, 0 rows affected (0.01 sec)

```

```

mysql> insert into borrow values("Tommy Shelby","K67834");

```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into borrow values("Tom Sheldon","K67835");
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into borrow values("Tom Shel","K67836");
```

Query OK, 1 row affected (0.01 sec)

```
mysql> update borrow set cust_no ="Dhruvil" where cust_no ="Tom Sheldon";
```

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

```
mysql> delete from borrow where loan_no="K67834";
```

Query OK, 1 row affected (0.01 sec)

```
mysql> select * from borrow;
```

+-----+	+-----+	
Cust_no	loan_no	
+-----+	+-----+	
Dhruvil	K67835	
Tom Shel	K67836	
+-----+	+-----+	

2 rows in set (0.00 sec)