LAB ASSIGNMENT – 01

Q. 1. Create the table described below:

Table Name: CLIENT_MASTER
Description: Used to store client information

Column Name	Data Type	Size
CLIENTNO	Varchar2	6
NAME	Varchar2	20
ADDRESS1	Varchar2	30
ADDRESS2	Varchar2	30
CITY	Varchar2	15
PINCODE	Number	8
STATE	Varchar2	15
BALDUE	Number	10,2

mysql> create table CLIENT_MASTER(
    -> CLIENTNO varchar(6),
    -> NAME varchar(20),
    -> ADDRESS1 varchar(30),
    -> ADDRESS2 varchar(30),
    -> CITY varchar(15),
    -> PINCODE numeric(8),
    -> STATE varchar(15),
    -> BALDUE numeric(10,2)
    ->);

```
Query OK, 0 rows affected (0.14 sec)
```

mysql> describe CLIENT_MASTER;

```
+----------+--------------+------+-----+---------+-------+
| Field    | Type         | Null | Key | Default | Extra |
+----------+--------------+------+-----+---------+-------+
| CLIENTNO | varchar(6)   | YES  |     | NULL    |       |
| NAME     | varchar(20)  | YES  |     | NULL    |       |
| ADDRESS1 | varchar(30)  | YES  |     | NULL    |       |
| ADDRESS2 | varchar(30)  | YES  |     | NULL    |       |
| CITY     | varchar(15)  | YES  |     | NULL    |       |
| PINCODE  | decimal(8,0) | YES  |     | NULL    |       |
| STATE    | varchar(15)  | YES  |     | NULL    |       |
| BALDUE   | decimal(10,2)| YES  |     | NULL    |       |
+----------+--------------+------+-----+---------+-------+
8 rows in set (0.06 sec)
```

Table Name: PRODUCT_MASTER
Description: Used to store product information

Column Name	Data Type	Size
PRODUCTNO	Varchar2	6
DESCRIPTION	Varchar2	15
PROFITPERCENT	Number	4,2
UNITMEASURE	Varchar2	10
QTYONHAND	Number	8
REORDERLVL	Number	8
SELLPRICE	Number	8,2
COSTPRICE	Number	8,2

mysql> create table PRODUCT_MASTER(
    -> PRODUCTNO varchar(6),
    -> DESCRIPTION varchar(15),
    -> PROFITPERCENT numeric(4,2),
    -> UNITMEASURE varchar(10),
    -> QTYONHAND numeric(8),
    -> REORDERLVL numeric(8),
    -> SELLPRICE numeric(8,2),
    -> COSTPRICE numeric(8,2)
    ->);

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

mysql> describe PRODUCT_MASTER;

```
+---------------+--------------+------+-----+---------+-------+
| Field         | Type         | Null | Key | Default | Extra |
+---------------+--------------+------+-----+---------+-------+
| PRODUCTNO     | varchar(6)   | YES  |     | NULL    |       |
| DESCRIPTION   | varchar(15)  | YES  |     | NULL    |       |
| PROFITPERCENT | decimal(4,2) | YES  |     | NULL    |       |
| UNITMEASURE   | varchar(10)  | YES  |     | NULL    |       |
| QTYONHAND     | decimal(8,0) | YES  |     | NULL    |       |
| REORDERLVL    | decimal(8,0) | YES  |     | NULL    |       |
| SELLPRICE     | decimal(8,2) | YES  |     | NULL    |       |
| COSTPRICE     | decimal(8,2) | YES  |     | NULL    |       |
+---------------+--------------+------+-----+---------+-------+
8 rows in set (0.00 sec)
```

Table Name: SALESMAN_MASTER
Description: Used to store salesman information working for the company

Column Name	Data Type	Size
SALESMANNO	Varchar2	6
SALESMANNAME	Varchar2	20
ADDRESS1	Varchar2	30
ADDRESS2	Varchar2	30
CITY	Varchar2	20
PINCODE	Number	8
STATE	Varchar2	20
SALAMT	Number	8,2
TGTTOGET	Number	6,2
YTDSALES	Number	6,2
REMARKS	Varchar2	60

mysql> create table SALESMAN_MASTER(
```
    -> SALESMANNO varchar(6),
    -> SALESMANNAME varchar(20),
    -> ADDRESS1 varchar(30),
    -> ADDRESS2 varchar(30),
    -> CITY varchar(20),
    -> PINCODE numeric(8),
    -> STATE varchar(20),
    -> SALAMT numeric(8,2),
    -> TGTTOGET numeric(6,2),
    -> YTDSALES numeric(6,2),
    -> REMARKS varchar(60)
    -> );
```

```
Query OK, 0 rows affected (0.08 sec)
```

mysql> describe SALESMAN_MASTER;

```
+--------------+-------------+------+-----+---------+-------+
| Field        | Type        | Null | Key | Default | Extra |
+--------------+-------------+------+-----+---------+-------+
| SALESMANNO   | varchar(6)  | YES  |     | NULL    |       |
| SALESMANNAME | varchar(20) | YES  |     | NULL    |       |
| ADDRESS1     | varchar(30) | YES  |     | NULL    |       |
| ADDRESS2     | varchar(30) | YES  |     | NULL    |       |
| CITY         | varchar(20) | YES  |     | NULL    |       |
| PINCODE      | decimal(8,0)| YES  |     | NULL    |       |
| STATE        | varchar(20) | YES  |     | NULL    |       |
| SALAMT       | decimal(8,2)| YES  |     | NULL    |       |
| TGTTOGET     | decimal(6,2)| YES  |     | NULL    |       |
| YTDSALES     | decimal(6,2)| YES  |     | NULL    |       |
| REMARKS      | varchar(60) | YES  |     | NULL    |       |
+--------------+-------------+------+-----+---------+-------+
11 rows in set (0.00 sec)
```

Q. 2. Insert the following data into their respective tables:

a) Data for CLIENT_MASTER Tables:

Client no.	Name	City	Pincode	State	Baldue
C00001	Ivan Bayross	Mumbai	400054	Maharashtra	15000
C00002	Mamta Muzumdar	Madras	780001	Tamil Nadu	0
C00003	Chhaya Bankar	Mumbai	400057	Maharashtra	5000
C00004	Ashwini Joshi	Bangalore	560001	Karnataka	0
C00005	Hansel Colaco	Mumbai	400060	Maharashtra	2000
C00006	Deepak Sharma	Mangalore	560050	Karnataka	0

```
mysql> INSERT INTO CLIENT_MASTER(CLIENTNO, NAME, CITY,
PINCODE, STATE, BALDUE)
    -> VALUES('C00001','Ivan Bayross', 'Mumbai', '400054', 'Maharashtra',
'15000'),
    -> ('C00002','Mamta Muzumdar','Madras','780001','Tamil Nadu','0'),
    -> ('C00003','Chhaya Bankar','Mumbai','400057','Maharashtra','5000'),
    -> ('C00004','Ashwini Joshi','Bangalore','560001','Karnataka','0'),
    -> ('C00005','Hansel Colaco','Mumbai','400060','Maharashtra','2000'),
    -> ('C00006','Deepak Sharma','Mangalore','560050','Karnataka','0');
```

```
Query OK, 6 rows affected (0.01 sec)
Records: 6  Duplicates: 0  Warnings: 0
```

mysql> select * from CLIENT_MASTER;

mysql> select CLIENTNO, NAME, CITY, PINCODE, STATE, BALDUE
    -> from CLIENT_MASTER;

```
+----------+-----------------+-----------+----------+-------------+----------+
| CLIENTNO | NAME            | CITY      | PINCODE  | STATE       | BALDUE   |
+----------+-----------------+-----------+----------+-------------+----------+
| C00001   | Ivan Bayross    | Mumbai    |   400054 | Maharashtra | 15000.00 |
| C00002   | Mamta Muzumdar  | Madras    |   780001 | Tamil Nadu  |     0.00 |
| C00003   | Chhaya Bankar   | Mumbai    |   400057 | Maharashtra |  5000.00 |
| C00004   | Ashwini Joshi   | Bangalore |   560001 | Karnataka   |     0.00 |
| C00005   | Hansel Colaco   | Mumbai    |   400060 | Maharashtra |  2000.00 |
| C00006   | Deepak Sharma   | Mangalore |   560050 | Karnataka   |     0.00 |
+----------+-----------------+-----------+----------+-------------+----------+
6 rows in set (0.00 sec)
```

b) Data for PRODUCT_MASTER tables:

Product No.	Description	Profit Percent	Unit Measure	QtyOn Hand	ReorderLvl	SellPrice	CostPrice
P00001	T-Shirts	5	Piece	200	50	350	250
P0345	Shirts	6	Piece	150	50	500	350
P06734	Cotton	5	Piece	100	20	600	450
P07865	Jeans	5	Piece	100	20	750	500
P07868	Trousers	2	Piece	150	50	850	550
P07885	Pull Overs	2.5	Piece	80	30	700	450
P07965	Denim Shirts	4	Piece	100	40	350	250
P07975	Lycra tops	5	Piece	70	30	300	175
P08865	Skirts	5	Piece	75	30	450	300

```
+----------+-----------------+----------+----------+-----------+----------+-------------+----------+
| CLIENTNO | NAME            | ADDRESS1 | ADDRESS2 | CITY      | PINCODE  | STATE       | BALDUE   |
+----------+-----------------+----------+----------+-----------+----------+-------------+----------+
| C00001   | Ivan Bayross    | NULL     | NULL     | Mumbai    |   400054 | Maharashtra | 15000.00 |
| C00002   | Mamta Muzumdar  | NULL     | NULL     | Madras    |   780001 | Tamil Nadu  |     0.00 |
| C00003   | Chhaya Bankar   | NULL     | NULL     | Mumbai    |   400057 | Maharashtra |  5000.00 |
| C00004   | Ashwini Joshi   | NULL     | NULL     | Bangalore |   560001 | Karnataka   |     0.00 |
| C00005   | Hansel Colaco   | NULL     | NULL     | Mumbai    |   400060 | Maharashtra |  2000.00 |
| C00006   | Deepak Sharma   | NULL     | NULL     | Mangalore |   560050 | Karnataka   |     0.00 |
+----------+-----------------+----------+----------+-----------+----------+-------------+----------+
6 rows in set (0.01 sec)
```

mysql> INSERT INTO PRODUCT_MASTER
    -> VALUES('P00001','T-Shirts','5','Piece','200','50','350','250'),
    -> ('P0345','Shirts','6','Piece','150','50','500','350'),
    -> ('P06734','Cotton Jeans','5','Piece','100','20','600','450'),
    -> ('P07865','Jeans','5','Piece','100','20','750','500'),
    -> ('P07868','Trousers','2','Piece','150','50','850','550'),
    -> ('P07885','Pull Overs','2.5','Piece','80','30','700','450'),
    -> ('P07965','Denim Shirts','4','Piece','100','40','350','250'),

```
-> ('P07975','Lycra tops','5','Piece','70','30','300','175'),
-> ('P08865','Skirts','5','Piece','75','30','450','300');
```

```
Query OK, 9 rows affected (0.01 sec)
Records: 9  Duplicates: 0  Warnings: 0
```

mysql> SELECT *
    -> FROM PRODUCT_MASTER;

```
+-----------+-------------+---------------+-------------+-----------+------------+-----------+-----------+
| PRODUCTNO | DESCRIPTION | PROFITPERCENT | UNITMEASURE | QTYONHAND | REORDERLVL | SELLPRICE | COSTPRICE |
+-----------+-------------+---------------+-------------+-----------+------------+-----------+-----------+
| P00001    | T-Shirts    |          5.00 | Piece       |       200 |         50 |    350.00 |    250.00 |
| P0345     | Shirts      |          6.00 | Piece       |       150 |         50 |    500.00 |    350.00 |
| P06734    | Cotton Jeans|          5.00 | Piece       |       100 |         20 |    600.00 |    450.00 |
| P07865    | Jeans       |          5.00 | Piece       |       100 |         20 |    750.00 |    500.00 |
| P07868    | Trousers    |          2.00 | Piece       |       150 |         50 |    850.00 |    550.00 |
| P07885    | Pull Overs  |          2.50 | Piece       |        80 |         30 |    700.00 |    450.00 |
| P07965    | Denim Shirts|          4.00 | Piece       |       100 |         40 |    350.00 |    250.00 |
| P07975    | Lycra tops  |          5.00 | Piece       |        70 |         30 |    300.00 |    175.00 |
| P08865    | Skirts      |          5.00 | Piece       |        75 |         30 |    450.00 |    300.00 |
+-----------+-------------+---------------+-------------+-----------+------------+-----------+-----------+
9 rows in set (0.00 sec)
```

c) **Data for SALESMAN_MASTER tables:**

Salesman No.	Name	Address1	Address2	City	Pincode	State
S00001	Aman	A/134	Worli	Mumbai	400002	Maharashtra
S00002	Omkar	65	Nariman	Mumbai	400001	Maharashtra
S00003	Raj	P-7	Bandra	Mumbai	400032	Maharashtra
S00004	Ashish	A/5	Juhu	Mumbai	400044	Maharashtra

Salesman No.	SalAmt	TgtToGet	YtdSales	Remarks
S00001	3000	100	50	Good
S00002	3000	200	100	Good
S00003	3000	200	100	Good
S00004	3500	200	150	Good

mysql> INSERT INTO SALESMAN_MASTER
    -> VALUES
    -> ('S00001',' Aman', 'A/134', 'Worli', 'Mumbai', '400002', 'Maharashtra', '3000','100','50','Good'),
    -> ('S00002', 'Omkar', '65', 'Nariman', 'Mumbai', '400001', 'Maharashtra', '3000','200','100','Good'),

     -> ('S00003','Raj','P-7', 'Bandra', 'Mumbai', '400032', 'Maharashtra', '3000', '200','100','Good'),
     -> ('S00004', 'Ashish', 'A/5', 'Juhu', 'Mumbai', '400044', 'Maharashtra', '3500','200','150','Good');

```
Query OK, 4 rows affected (0.02 sec)
Records: 4  Duplicates: 0  Warnings: 0
```

mysql> select *
     -> from SALESMAN_MASTER;

```
+-----------+-------------+----------+----------+--------+---------+-------------+---------+----------+----------+---------+
| SALESMANNO | SALESMANNAME | ADDRESS1 | ADDRESS2 | CITY   | PINCODE | STATE       | SALAMT  | TGTTOGET | YTDSALES | REMARKS |
+-----------+-------------+----------+----------+--------+---------+-------------+---------+----------+----------+---------+
| S00001    | Aman        | A/134    | Worli    | Mumbai | 400002  | Maharashtra | 3000.00 | 100.00   | 50.00    | Good    |
| S00002    | Omkar       | 65       | Nariman  | Mumbai | 400001  | Maharashtra | 3000.00 | 200.00   | 100.00   | Good    |
| S00003    | Raj         | P-7      | Bandra   | Mumbai | 400032  | Maharashtra | 3000.00 | 200.00   | 100.00   | Good    |
| S00004    | Ashish      | A/5      | Juhu     | Mumbai | 400044  | Maharashtra | 3500.00 | 200.00   | 150.00   | Good    |
+-----------+-------------+----------+----------+--------+---------+-------------+---------+----------+----------+---------+
4 rows in set (0.00 sec)
```

Q. 3. Exercise on retrieving records from table.

a) **Find out name of all clients.**
mysql> select NAME
     -> from CLIENT_MASTER;

```
+----------------+
| NAME           |
+----------------+
| Ivan Bayross   |
| Mamta Muzumdar |
| Chhaya Bankar  |
| Ashwini Joshi  |
| Hansel Colaco  |
| Deepak Sharma  |
+----------------+
6 rows in set (0.00 sec)
```

b) **Retrieve the entire contents of the Client_master table.**
mysql> select *
     -> from CLIENT_MASTER;

```
+----------+------------------+----------+----------+-----------+---------+-------------+----------+
| CLIENTNO | NAME             | ADDRESS1 | ADDRESS2 | CITY      | PINCODE | STATE       | BALDUE   |
+----------+------------------+----------+----------+-----------+---------+-------------+----------+
| C00001   | Ivan Bayross     | NULL     | NULL     | Mumbai    |  400054 | Maharashtra | 15000.00 |
| C00002   | Mamta Muzumdar   | NULL     | NULL     | Madras    |  780001 | Tamil Nadu  |     0.00 |
| C00003   | Chhaya Bankar    | NULL     | NULL     | Mumbai    |  400057 | Maharashtra |  5000.00 |
| C00004   | Ashwini Joshi    | NULL     | NULL     | Bangalore |  560001 | Karnataka   |     0.00 |
| C00005   | Hansel Colaco    | NULL     | NULL     | Mumbai    |  400060 | Maharashtra |  2000.00 |
| C00006   | Deepak Sharma    | NULL     | NULL     | Mangalore |  560050 | Karnataka   |     0.00 |
+----------+------------------+----------+----------+-----------+---------+-------------+----------+
6 rows in set (0.00 sec)
```

c) **Retrieve the list of names, city, and the state of all clients.**
mysql> select NAME, CITY, STATE
   -> from CLIENT_MASTER;

```
+----------------+-----------+-------------+
| NAME           | CITY      | STATE       |
+----------------+-----------+-------------+
| Ivan Bayross   | Mumbai    | Maharashtra |
| Mamta Muzumdar | Madras    | Tamil Nadu  |
| Chhaya Bankar  | Mumbai    | Maharashtra |
| Ashwini Joshi  | Bangalore | Karnataka   |
| Hansel Colaco  | Mumbai    | Maharashtra |
| Deepak Sharma  | Mangalore | Karnataka   |
+----------------+-----------+-------------+
6 rows in set (0.00 sec)
```

d) **List the various products available from the Product_Master table.**
mysql> select DESCRIPTION
   -> from PRODUCT_MASTER;

```
+--------------+
| DESCRIPTION  |
+--------------+
| T-Shirts     |
| Shirts       |
| Cotton Jeans |
| Jeans        |
| Trousers     |
| Pull Overs   |
| Denim Shirts |
| Lycra tops   |
| Skirts       |
+--------------+
9 rows in set (0.00 sec)
```
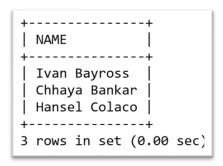
e) **List all the clients who are located in mumbai.**
mysql> select NAME
    -> from CLIENT_MASTER
    -> WHERE CITY = 'Mumbai';

```
+---------------+
| NAME          |
+---------------+
| Ivan Bayross  |
| Chhaya Bankar |
| Hansel Colaco |
+---------------+
3 rows in set (0.00 sec)
```

f) **Find the names of salesman who have a salary equal to Rs. 3000.**
mysql> select SALESMANNAME
    -> from SALESMAN_MASTER
    -> WHERE SALAMT = 3000;

```
+--------------+
| SALESMANNAME |
+--------------+
| Aman         |
| Omkar        |
| Raj          |
+--------------+
3 rows in set (0.01 sec)
```

Q. 4. Exercise on updating records in a table.

a) **Change the city of ClientNo 'C00005' to 'Banglore'.**

mysql> UPDATE CLIENT_MASTER
    -> SET CITY = 'Banglore'
    -> WHERE CLIENTNO = 'C00005';

```
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

mysql> select *
    -> from CLIENT_MASTER;

```
+----------+----------------+----------+----------+-----------+---------+-------------+----------+
| CLIENTNO | NAME           | ADDRESS1 | ADDRESS2 | CITY      | PINCODE | STATE       | BALDUE   |
+----------+----------------+----------+----------+-----------+---------+-------------+----------+
| C00001   | Ivan Bayross   | NULL     | NULL     | Mumbai    | 400054  | Maharashtra | 15000.00 |
| C00002   | Mamta Muzumdar | NULL     | NULL     | Madras    | 780001  | Tamil Nadu  |     0.00 |
| C00003   | Chhaya Bankar  | NULL     | NULL     | Mumbai    | 400057  | Maharashtra |  5000.00 |
| C00004   | Ashwini Joshi  | NULL     | NULL     | Bangalore | 560001  | Karnataka   |     0.00 |
| C00005   | Hansel Colaco  | NULL     | NULL     | Banglore  | 400060  | Maharashtra |  2000.00 |
| C00006   | Deepak Sharma  | NULL     | NULL     | Mangalore | 560050  | Karnataka   |     0.00 |
+----------+----------------+----------+----------+-----------+---------+-------------+----------+
6 rows in set (0.00 sec)
```

b) Change the Baldue of ClientNo 'C00001' to Rs. 1000.
mysql> UPDATE CLIENT_MASTER
    -> SET BALDUE = 1000
    -> WHERE CLIENTNO = 'C00001';

```
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

mysql> select *
    -> from CLIENT_MASTER;

```
+----------+----------------+----------+----------+-----------+---------+-------------+---------+
| CLIENTNO | NAME           | ADDRESS1 | ADDRESS2 | CITY      | PINCODE | STATE       | BALDUE  |
+----------+----------------+----------+----------+-----------+---------+-------------+---------+
| C00001   | Ivan Bayross   | NULL     | NULL     | Mumbai    | 400054  | Maharashtra | 1000.00 |
| C00002   | Mamta Muzumdar | NULL     | NULL     | Madras    | 780001  | Tamil Nadu  |    0.00 |
| C00003   | Chhaya Bankar  | NULL     | NULL     | Mumbai    | 400057  | Maharashtra | 5000.00 |
| C00004   | Ashwini Joshi  | NULL     | NULL     | Bangalore | 560001  | Karnataka   |    0.00 |
| C00005   | Hansel Colaco  | NULL     | NULL     | Banglore  | 400060  | Maharashtra | 2000.00 |
| C00006   | Deepak Sharma  | NULL     | NULL     | Mangalore | 560050  | Karnataka   |    0.00 |
+----------+----------------+----------+----------+-----------+---------+-------------+---------+
6 rows in set (0.00 sec)
```

c) Change the cost price of 'Trousers' to Rs. 950.00.
mysql> UPDATE PRODUCT_MASTER
    -> SET COSTPRICE = 950.00
    -> WHERE DESCRIPTION = "Trousers";

```
Query OK, 1 row affected (0.04 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

mysql> select *
    -> from PRODUCT_MASTER;

```
+-----------+-------------+---------------+-------------+-----------+------------+-----------+-----------+
| PRODUCTNO | DESCRIPTION | PROFITPERCENT | UNITMEASURE | QTYONHAND | REORDERLVL | SELLPRICE | COSTPRICE |
+-----------+-------------+---------------+-------------+-----------+------------+-----------+-----------+
| P00001    | T-Shirts    |          5.00 | Piece       |       200 |         50 |    350.00 |    250.00 |
| P0345     | Shirts      |          6.00 | Piece       |       150 |         50 |    500.00 |    350.00 |
| P06734    | Cotton Jeans|          5.00 | Piece       |       100 |         20 |    600.00 |    450.00 |
| P07865    | Jeans       |          5.00 | Piece       |       100 |         20 |    750.00 |    500.00 |
| P07868    | Trousers    |          2.00 | Piece       |       150 |         50 |    850.00 |    950.00 |
| P07885    | Pull Overs  |          2.50 | Piece       |        80 |         30 |    700.00 |    450.00 |
| P07965    | Denim Shirts|          4.00 | Piece       |       100 |         40 |    350.00 |    250.00 |
| P07975    | Lycra tops  |          5.00 | Piece       |        70 |         30 |    300.00 |    175.00 |
| P08865    | Skirts      |          5.00 | Piece       |        75 |         30 |    450.00 |    300.00 |
+-----------+-------------+---------------+-------------+-----------+------------+-----------+-----------+
9 rows in set (0.00 sec)
```

d) Change the city of salesman to 'Pune'.
mysql> UPDATE SALESMAN_MASTER
    -> SET CITY = 'Pune';

```
Query OK, 4 rows affected (0.01 sec)
Rows matched: 4  Changed: 4  Warnings: 0
```

mysql> select *
    -> from SALESMAN_MASTER;

```
+------------+-------------+----------+----------+------+---------+-------------+---------+----------+----------+---------+
| SALESMANNO | SALESMANNAME| ADDRESS1 | ADDRESS2 | CITY | PINCODE | STATE       | SALAMT  | TGTTOGET | YTDSALES | REMARKS |
+------------+-------------+----------+----------+------+---------+-------------+---------+----------+----------+---------+
| S00001     | Aman        | A/134    | Worli    | Pune | 400002  | Maharashtra | 3000.00 |   100.00 |    50.00 | Good    |
| S00002     | Omkar       | 65       | Nariman  | Pune | 400001  | Maharashtra | 3000.00 |   200.00 |   100.00 | Good    |
| S00003     | Raj         | P-7      | Bandra   | Pune | 400032  | Maharashtra | 3000.00 |   200.00 |   100.00 | Good    |
| S00004     | Ashish      | A/5      | Juhu     | Pune | 400044  | Maharashtra | 3500.00 |   200.00 |   150.00 | Good    |
+------------+-------------+----------+----------+------+---------+-------------+---------+----------+----------+---------+
4 rows in set (0.00 sec)
```

Q. 5. Exercise on deleting records on table.

a) Delete all salesman from the Salesman_Master whose salary are equal to 3500.
mysql> DELETE FROM SALESMAN_MASTER
    -> WHERE SALAMT = 3500;

```
Query OK, 1 row affected (0.05 sec)
```

mysql> select *
    -> FROM SALESMAN_MASTER;

```
+-----------+-------------+----------+----------+------+---------+-------------+---------+----------+----------+---------+
| SALESMANNO | SALESMANNAME | ADDRESS1 | ADDRESS2 | CITY | PINCODE | STATE       | SALAMT  | TGTTOGET | YTDSALES | REMARKS |
+-----------+-------------+----------+----------+------+---------+-------------+---------+----------+----------+---------+
| S00001    | Aman        | A/134    | Worli    | Pune | 400002  | Maharashtra | 3000.00 |   100.00 |    50.00 | Good    |
| S00002    | Omkar       | 65       | Nariman  | Pune | 400001  | Maharashtra | 3000.00 |   200.00 |   100.00 | Good    |
| S00003    | Raj         | P-7      | Bandra   | Pune | 400032  | Maharashtra | 3000.00 |   200.00 |   100.00 | Good    |
+-----------+-------------+----------+----------+------+---------+-------------+---------+----------+----------+---------+
3 rows in set (0.00 sec)
```

b) Delete all products from Product_Master where the quantity on hand is equal to 100.
mysql> DELETE FROM PRODUCT_MASTER
    -> WHERE QTYONHAND = 100;

```
Query OK, 3 rows affected (0.01 sec)
```

mysql> select *
    -> FROM PRODUCT_MASTER;

```
+-----------+-------------+---------------+-------------+-----------+-----------+-----------+-----------+
| PRODUCTNO | DESCRIPTION | PROFITPERCENT | UNITMEASURE | QTYONHAND | REORDERLVL | SELLPRICE | COSTPRICE |
+-----------+-------------+---------------+-------------+-----------+-----------+-----------+-----------+
| P00001    | T-Shirts    |          5.00 | Piece       |       200 |        50 |    350.00 |    250.00 |
| P0345     | Shirts      |          6.00 | Piece       |       150 |        50 |    500.00 |    350.00 |
| P07868    | Trousers    |          2.00 | Piece       |       150 |        50 |    850.00 |    950.00 |
| P07885    | Pull Overs  |          2.50 | Piece       |        80 |        30 |    700.00 |    450.00 |
| P07975    | Lycra tops  |          5.00 | Piece       |        70 |        30 |    300.00 |    175.00 |
| P08865    | Skirts      |          5.00 | Piece       |        75 |        30 |    450.00 |    300.00 |
+-----------+-------------+---------------+-------------+-----------+-----------+-----------+-----------+
6 rows in set (0.00 sec)
```

c) Delete from Client_Master where the column state holds the value 'Tamilnadu'.
mysql> DELETE FROM CLIENT_MASTER
    -> WHERE STATE = 'Tamil Nadu';

```
Query OK, 1 row affected (0.03 sec)
```

mysql> select *
    -> FROM CLIENT_MASTER;

```
+----------+---------------+----------+----------+-----------+---------+-------------+---------+
| CLIENTNO | NAME          | ADDRESS1 | ADDRESS2 | CITY      | PINCODE | STATE       | BALDUE  |
+----------+---------------+----------+----------+-----------+---------+-------------+---------+
| C00001   | Ivan Bayross  | NULL     | NULL     | Mumbai    | 400054  | Maharashtra | 1000.00 |
| C00003   | Chhaya Bankar | NULL     | NULL     | Mumbai    | 400057  | Maharashtra | 5000.00 |
| C00004   | Ashwini Joshi | NULL     | NULL     | Bangalore | 560001  | Karnataka   |    0.00 |
| C00005   | Hansel Colaco | NULL     | NULL     | Banglore  | 400060  | Maharashtra | 2000.00 |
| C00006   | Deepak Sharma | NULL     | NULL     | Mangalore | 560050  | Karnataka   |    0.00 |
+----------+---------------+----------+----------+-----------+---------+-------------+---------+
5 rows in set (0.00 sec)
```

Q. 6. Exercise on altering the table structure.

a) **Add a column called 'Telephone' of datatype 'number' and size = '10' to the Client_Master table.**

mysql> ALTER TABLE CLIENT_MASTER
    -> ADD Telephone NUMERIC(10);

```
Query OK, 0 rows affected (0.12 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

mysql> select *
    -> FROM CLIENT_MASTER;

```
+----------+----------------+----------+----------+-----------+---------+-------------+---------+-----------+
| CLIENTNO | NAME           | ADDRESS1 | ADDRESS2 | CITY      | PINCODE | STATE       | BALDUE  | Telephone |
+----------+----------------+----------+----------+-----------+---------+-------------+---------+-----------+
| C00001   | Ivan Bayross   | NULL     | NULL     | Mumbai    | 400054  | Maharashtra | 1000.00 |      NULL |
| C00003   | Chhaya Bankar  | NULL     | NULL     | Mumbai    | 400057  | Maharashtra | 5000.00 |      NULL |
| C00004   | Ashwini Joshi  | NULL     | NULL     | Bangalore | 560001  | Karnataka   |    0.00 |      NULL |
| C00005   | Hansel Colaco  | NULL     | NULL     | Banglore  | 400060  | Maharashtra | 2000.00 |      NULL |
| C00006   | Deepak Sharma  | NULL     | NULL     | Mangalore | 560050  | Karnataka   |    0.00 |      NULL |
+----------+----------------+----------+----------+-----------+---------+-------------+---------+-----------+
5 rows in set (0.00 sec)
```

b) **Change the size of SellPrice column in Product_Master to 10,2.**

mysql> ALTER TABLE PRODUCT_MASTER
    -> MODIFY SELLPRICE NUMERIC(10,2);

```
Query OK, 6 rows affected (0.07 sec)
Records: 6  Duplicates: 0  Warnings: 0
```

mysql> DESC PRODUCT_MASTER;

```
+---------------+---------------+------+-----+---------+-------+
| Field         | Type          | Null | Key | Default | Extra |
+---------------+---------------+------+-----+---------+-------+
| PRODUCTNO     | varchar(6)    | YES  |     | NULL    |       |
| DESCRIPTION   | varchar(15)   | YES  |     | NULL    |       |
| PROFITPERCENT | decimal(4,2)  | YES  |     | NULL    |       |
| UNITMEASURE   | varchar(10)   | YES  |     | NULL    |       |
| QTYONHAND     | decimal(8,0)  | YES  |     | NULL    |       |
| REORDERLVL    | decimal(8,0)  | YES  |     | NULL    |       |
| SELLPRICE     | decimal(10,2) | YES  |     | NULL    |       |
| COSTPRICE     | decimal(8,2)  | YES  |     | NULL    |       |
+---------------+---------------+------+-----+---------+-------+
8 rows in set (0.08 sec)
```

Q. 7. Exercise on deleting the table structure along with the data.

mysql> show tables;

```
+----------------------+
| Tables_in_khushi_it40 |
+----------------------+
| client_master        |
| product_master       |
| salesman_master      |
+----------------------+
3 rows in set (0.04 sec)
```

    a) Destroy the table Client_Master along with its data.

mysql> DROP TABLE CLIENT_MASTER;

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

mysql> show tables;

```
+----------------------+
| Tables_in_khushi_it40 |
+----------------------+
| product_master       |
| salesman_master      |
+----------------------+
2 rows in set (0.00 sec)
```

mysql> select *
   -> FROM CLIENT_MASTER;

```
ERROR 1146 (42S02): Table 'khushi it40.client master' doesn't exist
```

Q. 8. Exercise on renaming the table.

    a) Change the name of Salesman_Master table to Sman_Mast.

mysql> RENAME TABLE SALESMAN_MASTER TO Sman_Mast;

```
Query OK, 0 rows affected (0.05 sec)
```

mysql> select *
   -> from SALESMAN_MASTER;

```
ERROR 1146 (42S02): Table 'khushi it40.salesman master' doesn't exist
```

mysql> select *
   -> from Sman_Mast;

```
+-----------+-------------+----------+----------+------+---------+-------------+---------+----------+----------+---------+
| SALESMANNO | SALESMANNAME | ADDRESS1 | ADDRESS2 | CITY | PINCODE | STATE       | SALAMT  | TGTTOGET | YTDSALES | REMARKS |
+-----------+-------------+----------+----------+------+---------+-------------+---------+----------+----------+---------+
| S00001    | Aman        | A/134    | Worli    | Pune | 400002  | Maharashtra | 3000.00 | 100.00   | 50.00    | Good    |
| S00002    | Omkar       | 65       | Nariman  | Pune | 400001  | Maharashtra | 3000.00 | 200.00   | 100.00   | Good    |
| S00003    | Raj         | P-7      | Bandra   | Pune | 400032  | Maharashtra | 3000.00 | 200.00   | 100.00   | Good    |
+-----------+-------------+----------+----------+------+---------+-------------+---------+----------+----------+---------+
3 rows in set (0.01 sec)
```