Name-Nilabh Sharma

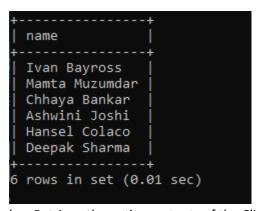
Roll-R2142230020

SAP-500120183

EXPERIMENT 4

- 2. Exercise on retrieving records from a table.
 - a. Find out the names of all the clients.

select name from CLIENT_MASTER;



b. Retrieve the entire contents of the Client_Master table.

select * from CLIENT_MASTER;

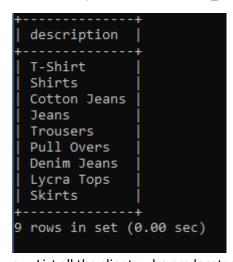
CLIENTNO	NAME	ADDRESS1	ADDRESS2	CITY	PINCODE	STATE	BALDUE
C00001	Ivan Bayross	NULL	NULL	Mumbai	400054	Maharashtra	15000.00
C00002 C00003	Mamta Muzumdar Chhaya Bankar	NULL NULL	NULL NULL	Madras Mumbai	780001 400057	Tamil Nadu Maharashtra	0.00 5000.00
C00004	Ashwini Joshi	NULL	NULL	Bangalore	560001	Karnataka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

c. Retrieve the list of names, city and the state of all the clients.

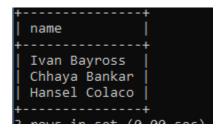
select name, city, state from CLIENT_MASTER;

name	city	++ state
Ivan Bayross Mamta Muzumdar Chhaya Bankar Ashwini Joshi Hansel Colaco Deepak Sharma	Mumbai Madras Mumbai Bangalore Mumbai Mangalore	Maharashtra Tamil Nadu Maharashtra Karnataka Maharashtra Karnataka
6 rows in set (0.0	00 sec)	,

d. List the various products available from the Product_Master table.select description from PRODUCT_MASTER;



e. List all the clients who are located in Mumbai.select name from CLIENT_MASTER where city = 'Mumbai';



f. Find the names of salesman who have a salary equal to Rs.3000. select salesmanname from SALESMAN_MASTER where SALAMT = 3000;

```
Empty set (0.00 sec)
```

3. Exercise on updating records in a table

a. Change the city of ClientNo 'C00005' to 'Bangalore'.

UPDATE CLIENT_MASTER SET CITY = 'Bangalore' WHERE CLIENTNO = 'C00005';

```
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0
mysql> select * from CLEINT_MASTER;
ERROR 1146 (42502): Table 'exp2.cleint_master' doesn't exist
mysql> select * from CLEINT MASTER;
ERROR 1146 (42502): Table 'exp2.cleint_master' doesn't exist
mysql> select * from CLIENT_MASTER;
 CLIENTNO | NAME
                              ADDRESS1 | ADDRESS2 | CITY
                                                                PINCODE
                                                                           STATE
                                                                                        BALDUE
 C00001
                                                                  400054
            Ivan Bayross
                              NULL
                                         NULL
                                                    Mumbai
                                                                           Maharashtra
                                                                                         15000.00
                                                                           Tamil Nadu
 C00002
            Mamta Muzumdar
                              NULL
                                         NULL
                                                    Madras
                                                                  780001
                                                                                             0.00
            Chhaya Bankar
 C00003
                              NULL
                                         NULL
                                                    Mumbai
                                                                  400057
                                                                           Maharashtra
                                                                                           5000.00
            Ashwini Joshi
                                                    Bangalore
                                                                  560001
                                                                                             0.00
 C00004
                              NULL
                                         NULL
                                                                           Karnataka
 C00005
            Hansel Colaco
                              NULL
                                         NULL
                                                     Bangalore
                                                                  400060
                                                                           Maharashtra
                                                                                           2000.00
                                                    Mangalore
 C00006
            Deepak Sharma
                                                                  560050
                                                                           Karnataka
                              NULL
                                         NULL
                                                                                              0.00
 rows in set (0.00 sec)
```

b. Change the BalDue of ClientNo 'C00001' to Rs.1000.

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
             Mamta Muzumdar
                                                                             Tamil Nadu
  C00002
                               NULL
                                          NULL
                                                      Madras
                                                                   780001
                                                                                              0.00
  C00003
             Chhaya Bankar
                                                      Mumbai
                                                                   400057
                                                                                           5000.00
                              NULL
                                          NULL
                                                                            Maharashtra
  C00004
             Ashwini Joshi
                               NULL
                                          NULL
                                                      Bangalore
                                                                   560001
                                                                            Karnataka
                                                                                              0.00
                                                      Bangalore
  C00005
             Hansel Colaco
                               NULL
                                          NULL
                                                                   400060
                                                                            Maharashtra
                                                                                           2000.00
  C00006
             Deepak Sharma
                                                                   560050
                               NULL
                                          NULL
                                                      Mangalore
                                                                            Karnataka
                                                                                              0.00
  rows in set (0.00 sec)
```

c. Change the cost price of 'Trousers' to rs.950.00.

UPDATE PRODUCT MASTER SET COSTPRICE = 950.00 WHERE DESCRIPTION = 'Trousers';

```
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0
mysql> select * from PRODUCT_MASTER;
  PRODUCTNO | DESCRIPTION | PROFITPERCENT | UNIT_MEASURE | QTYONHAND | REORDERLVL | SELLPRICE | COSTPRICE
  P00001
              T-Shirt
                                               Piece
                                                                                            350.00
                                       5.00
                                                                     200
                                                                                    50
                                                                                                         250.00
  P0345
              Shirts
                                        6.00
                                               Piece
                                                                     150
                                                                                    50
                                                                                            500.00
                                                                                                         350.00
              Cotton Jeans
  P06734
                                        5.00
                                               Piece
                                                                     100
                                                                                    20
                                                                                            600.00
                                                                                                         450.00
  P07865
                                        5.00
                                               Piece
                                                                     100
                                                                                    20
                                                                                            750.00
                                                                                                         500.00
              Jeans
  P07868
                                        2.00
                                               Piece
                                                                     150
                                                                                    50
                                                                                            850.00
                                                                                                         950.00
              Trousers
              Pull Overs
                                               Piece
                                                                                                         450.00
  P07885
                                        2.50
                                                                                    30
                                                                                            700.00
                                                                      80
  P07965
              Denim Jeans
                                        4.00
                                               Piece
                                                                     100
                                                                                    40
                                                                                            350.00
                                                                                                         250.00
              Lycra Tops
  P07975
                                        5.00
                                               Piece
                                                                      70
                                                                                    30
                                                                                             300.00
                                                                                                         175.00
  P08865
              Skirts
                                        5.00
                                                                                            450.00
                                                                                                         300.00
  rows in set (0.00 sec)
```

d. Change the city of the salesman to Pune.

UPDATE SALESMAN_MASTER SET CITY = 'Pune';

```
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0 Changed: 0 Warnings: 0
```

- 4. Exercise on deleting records in a table
 - a. Delete all salesman from the Salesman Master whose salaries are equal to Rs.3500.

DELETE FROM SALESMAN_MASTER WHERE SALAMT = 3500;

```
Query OK, 0 rows affected (0.00 sec)
```

b. Delete all products from Product_Master where the quantity on hand is equal to 100.

DELETE FROM PRODUCT MASTER WHERE QTYONHAND = 100;

ysql> selec	t * from PRODUC	CT_MASTER;					
PRODUCTNO	DESCRIPTION	PROFITPERCENT	UNIT_MEASURE	QTYONHAND	REORDERLVL	SELLPRICE	COSTPRICE
P00001	T-Shirt	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

Delete from Client_Master where the column state holds the value 'Tamil Nadu'.

DELETE FROM CLIENT MASTER WHERE STATE = 'Tamil Nadu';

```
Query OK, 1 row affected (0.01 sec)
mysql> select * from CLIENT MASTER;
                            ADDRESS1 | ADDRESS2 | CITY
 CLIENTNO | NAME
                                                               | PINCODE | STATE
                                                                                       BALDUE
                                                                 400054
 C00001
            Ivan Bayross
                             NULL
                                        NULL
                                                    Mumbai
                                                                          Maharashtra
                                                                                         1000.00
 C00003
                                                    Mumbai
                                                                 400057
                                                                          Maharashtra
                                                                                         5000.00
            Chhaya Bankar
                             NULL
                                        NULL
 C00004
                                        NULL
                                                                                            0.00
            Ashwini Joshi
                             NULL
                                                    Bangalore
                                                                 560001
                                                                          Karnataka
 C00005
            Hansel Colaco
                             NULL
                                        NULL
                                                    Bangalore
                                                                 400060
                                                                          Maharashtra
                                                                                         2000.00
            Deepak Sharma
                                                    Mangalore
 C00006
                             NULL
                                        NULL
                                                                 560050
                                                                          Karnataka
                                                                                            0.00
 rows in set (0.00 sec)
```

- 5. Exercise on altering the table structure
 - a. Add a column called 'Telephone' of data type integer to the Client Master table.

ALTER TABLE CLIENT MASTER ADD COLUMN TELEPHONE INTEGER;

```
Query OK, 0 rows affected (0.04 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

b. Change the size off SellPrice column in Product Master to 10, 2.

ALTER TABLE PRODUCT_MASTER MODIFY COLUMN SELLPRICE DECIMAL(10, 2);

	t * from PRODUC						
		PROFITPERCENT		QTYONHAND			
P00001	T-Shirt	5.00	Piece	200	50	350.00	
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. Exercise on deleting the table structure along with the data

a. Destroy the table Client_Master along with its data.

DROP TABLE CLIENT_MASTER;

```
Query OK, 0 rows affected (0.07 sec)
mysql> desc CLIENT_MASTER;
ERROR 1146 (42S02): Table 'exp2.client_master' doesn't exist
mvsal>
```