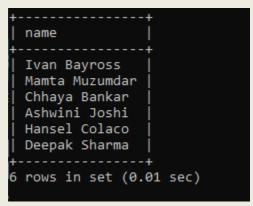
Damanpreet Singh

SAP ID- 500119063

Lab - 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	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

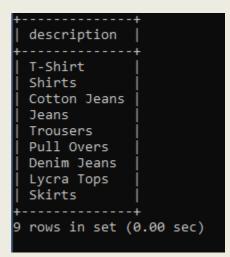
c. Retrieve the list of names, city and the state of all the clients.

select name, city, state from CLIENT_MASTER;

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	+ name +	city	++ state
++ 6 rows in set (0.00 sec)	Mamta Muzumdar Chhaya Bankar Ashwini Joshi Hansel Colaco Deepak Sharma	Madras Mumbai Bangalore Mumbai Mangalore	Tamil Nadu Maharashtra Karnataka Maharashtra

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
nysql> select * from CLEINT_MASTER;
ERROR 1146 (42502): Table 'exp2.cleint_master' doesn't exist
nysql> 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
  сааааз
                                                                   400057
                              NULL
                                          NULL
                                                     Mumbai
                                                                                            5000.00
             Chhaya Bankar
                                                                            Maharashtra
  C00004
             Ashwini Joshi
                               NULL
                                          NULL
                                                     Bangalore
                                                                   560001
                                                                            Karnataka
                                                                                               0.00
             Hansel Colaco
                                                     Bangalore
  C00005
                               NULL
                                          NULL
                                                                   400060
                                                                            Maharashtra
                                                                                            2000.00
  C00006
             Deepak Sharma
                                                     Mangalore
                                                                   560050
                                                                            Karnataka
                                                                                               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
                                        ADDRESS2
                              ADDRESS1
                                                                  PINCODE
                                                                            STATE
                                                                                           BALDUE
 C00001
                                                     Mumbai
                                                                   400054
             Ivan Bayross
                              NULL
                                          NULL
                                                                            Maharashtra
                                                                                           1000.00
 C00002
             Mamta Muzumdar
                              NULL
                                          NULL
                                                      Madras
                                                                   780001
                                                                            Tamil Nadu
                                                                                              0.00
 C00003
                                                      Mumbai
                                                                   400057
             Chhaya Bankar
                              NULL
                                          NULL
                                                                            Maharashtra
                                                                                           5000.00
             Ashwini Joshi
                                                      Bangalore
 C00004
                                                                   560001
                                                                                              0.00
                              NULL
                                          NULL
                                                                            Karnataka
 CARARS
             Hansel Colaco
                              NULL
                                          NULL
                                                      Bangalore
                                                                   400060
                                                                            Maharashtra
                                                                                           2000.00
 C00006
             Deepak Sharma
                                                     Mangalore
                                                                   560050
                                                                            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';

```
uery 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
                                                                                                        250.00
  P0345
                                       6.00
                                              Piece
                                                                                   50
                                                                                            500.00
                                                                                                        350.00
              Shirts
                                                                     150
                                              Piece
 P06734
                                                                                            600.00
              Cotton Jeans
                                       5.00
                                                                     100
                                                                                   20
                                                                                                        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
                                                                                                        250.00
  P07965
              Denim Jeans
                                       4.00
                                              Piece
                                                                     100
                                                                                   40
                                                                                            350.00
              Lycra Tops
                                              Piece
                                                                                                        175.00
  P07975
                                       5.00
                                                                     70
                                                                                   30
                                                                                            300.00
              Skirts
                                                                                   30
                                                                                            450.00
                                                                                                        300.00
  P08865
                                       5.00
  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;

Query OK, 3 rows affected (0.01 sec)								
mysql> select * from PRODUCT_MASTER;								
PRODUCTNO	DESCRIPTION	PROFITPERCENT	UNIT_MEASURE	QTYONHAND	REORDERLVL	SELLPRICE	COSTPRICE	
P00001	T-Shirt	5.00	Piece	200	50	350.00	250.00	
P0345 P07868	Shirts Trousers	6.00 2.00	Piece Piece	150 150	50 50	500.00 850.00	350.00 950.00	
P07885 P07975	Pull Overs Lycra Tops	2.50 5.00	Piece Piece	80 70	30 30	700.00 300.00	450.00 175.00	
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 'Tamil Nadu'.

DELETE FROM CLIENT_MASTER WHERE STATE = 'Tamil Nadu';

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

```
Query OK, 6 rows affected (0.10 sec)
Records: 6 Duplicates: 0 Warnings: 0
mysql> select * from PRODUCT_MASTER;
 PRODUCTNO | DESCRIPTION | PROFITPERCENT | UNIT_MEASURE | QTYONHAND | REORDERLVL | SELLPRICE | COSTPRICE |
                                      5.00
 P00001
              T-Shirt
                                             Piece
                                                                   200
                                                                                 50
                                                                                          350.00
                                                                                                      250.00
 P0345
              Shirts
                                      6.00
                                             Piece
                                                                   150
                                                                                 50
                                                                                          500.00
                                                                                                      350.00
  P07868
              Trousers
                                      2.00
                                             Piece
                                                                                          850.00
                                                                                                      950.00
  P07885
              Pull Overs
                                      2.50
                                             Piece
                                                                                 30
                                                                                          700.00
                                                                                                      450.00
  P07975
                                                                                          300.00
                                                                                                      175.00
              Lycra Tops
  P08865
              Skirts
                                      5.00
                                             Piece
                                                                                          450.00
                                                                                                      300.00
  rows in set (0.00 sec)
```

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
mvsql>
```