

Experiment-3

Title: DDL commands with constraints.

Objective: To understand how update values as well as the attributes a table and also how to delete a given table and how to display the contents of the table conditionally.

Aim: To use various DDL commands like SELECT, UPDATE, WHERE, DELETE, ALTER and DROP.

Theory: These commands help us to manipulate data in a table also helps us display only the data that we want by giving constraints.

Code/Output:

1.Exercises on retrieving the data from

a. Find out the names of all the clients.

Code and output:

```
mysql> 24BCP128 PANAV PATEL
      -> ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to
your MySQL server version for the right syntax to use near '24BCP128 PANAV PATEL' at line 1
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.

Code and output:

```
mysql> 24BCP128 PANAV PATEL;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL
server version for the right syntax to use near '24BCP128 PANAV PATEL' at line 1
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 the clients.

Code and output:

```
mysql> 24BCP128 PANAV PATEL;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL
server version for the right syntax to use near '24BCP128 PANAV PATEL' at line 1
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.

Code and output:

```
mysql> 24BCP128 PANAV PATEL;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL serv
er version for the right syntax to use near '24BCP128 PANAV PATEL' at line 1
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 | 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 jeans | 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)
```

e. List all the clients who are located in Mumbai.

Code and output:

```

mysql> 24BCP128 PANAV PATEL;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '24BCP128 PANAV PATEL' at line 1
mysql> SELECT * FROM CLIENT_MASTER WHERE CITY="Mumbai";
+-----+-----+-----+-----+-----+-----+-----+
| CLIENTNO | NAME | ADDRESS1 | ADDRESS2 | CITY | PINCODE | STATE |
+-----+-----+-----+-----+-----+-----+-----+
| C00001 | Ivan bayross | NULL | NULL | Mumbai | 400054 | Maharashtra |
| C00003 | Chhaya bankar | NULL | NULL | Mumbai | 400057 | Maharashtra |
| C00005 | Hansel colaco | NULL | NULL | Mumbai | 400060 | Maharashtra |
+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

```

f. Find the names of salesman who have a salary equal to Rs.3000.

Code and output:

```

mysql> 24BCP128 PANAV PATEL;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '24BCP128 PANAV PATEL' at line 1
mysql> SELECT * FROM SALESMAN_MASTER WHERE SALAMT=3000;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| SALESMANNO | SALESMANNAME | ADDRESS1 | ADDRESS2 | CITY | PINCODE | STATE | SALAMT | TGTTOGET | YTDSALES | REMARKS |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| S00001 | Aman | A/14 | Worli | Mumbai | 400002 | Maharashtra | 3000 | 100.00 | 50.00 | Good |
| S00002 | Omkar | 65 | Nariman | Mumbai | 400001 | Maharashtra | 3000 | 200.00 | 100.00 | Good |
| S00003 | Raj | P-7 | Bandra | Mumbai | 400032 | Maharashtra | 3000 | 200.00 | 100.00 | Good |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

```

l. Find the names of salesman who have a salary equal to Rs.3000.

a. Change the city of ClientNo ‘C00005’ to ‘Bangalore’.

Code/Output:

```

mysql> 24BCP128 PANAV PATEL;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '24BCP128 PANAV PATEL' at line 1
mysql> update client_master set CITY = 'Bangalore' where CLIENTNO = 'C00005';
Query OK, 1 row affected (0.08 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 | Bangalore | 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.

Code/Output:

```

mysql> 24BCP128 PANAV PATEL;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to you
r MySQL server version for the right syntax to use near '24BCP128 PANAV PATEL' at line 1
mysql> update client_master set BALDUE = 1000 where CLIENTNO = 'C00001';
Query OK, 1 row affected (0.03 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 | Mamtta 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 | Bangalore | 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.

Code/Output:

```

mysql> 24BCP128 PANAV PATEL;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL serve
r version for the right syntax to use near '24BCP128 PANAV PATEL' at line 1
mysql> update product_master set COSTPRICE = 950 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 | 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 jeans | 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 the salesman to Pune.

Code/Output:

```

mysql> 24bcpl28 Panav Patel;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for
the right syntax to use near '24bcpl28 Panav Patel' at line 1
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/14 | Worli | PUNE | 400002 | Maharashtra | 3000 | 100 | 50.00 | Good |
| S00002 | Omkar | 65 | Nariman | PUNE | 400001 | Maharashtra | 3000 | 200 | 100.00 | Good |
| S00003 | Raj | P-7 | Bandra | PUNE | 400032 | Maharashtra | 3000 | 200 | 100.00 | Good |
| S00004 | Ashish | A/5 | Juhu | PUNE | 400044 | Maharashtra | 3500 | 200 | 150.00 | Good |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

```

2.Exercises on deleting records in a table

a. Delete all salesman from the Salesman_Master whose salaries are equal to Rs.3500.

```

mysql> 24BCP128 PANAV PATEL;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for
the right syntax to use near '24BCP128 PANAV PATEL' at line 1
mysql> delete from salesman_master where SALAMT = 3500;
Query OK, 1 row affected (0.01 sec)

mysql> select * from salesman_master;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| SALESMANNO | SALESMANNAME | ADDRESS1 | ADDRESS2 | CITY | PINCODE | STATE | SALAMT | TGTTOGET | YTDSALES | REMARKS |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| S00001 | Aman | A/14 | Worli | PUNE | 400002 | Maharashtra | 3000 | 100 | 50.00 | Good |
| S00002 | Omkar | 65 | Nariman | PUNE | 400001 | Maharashtra | 3000 | 200 | 100.00 | Good |
| S00003 | Raj | P-7 | Bandra | PUNE | 400032 | Maharashtra | 3000 | 200 | 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> 24BCP128 PANAV PATEL;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for
the right syntax to use near '24BCP128 PANAV PATEL' at line 1
mysql> 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 | 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 ‘Tamil Nadu’.

```

mysql> 24BCP128 PANAV PATEL;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your
MySQL server version for the right syntax to use near '24BCP128 PANAV PATEL' at line 1
mysql> delete from Client_master where STATE = 'Tamil Nadu';
Query OK, 1 row affected (0.01 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 | Bangalore | 400060 | Maharashtra | 2000.00 |
| C00006 | Deepak sharma | NULL | NULL | Mangalore | 560050 | Karnataka | 0.00 |
+-----+-----+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

```

3. Exercise on altering the table structure.

a. Add a column called ‘Telephone’ of data type integer to the Client_Master table.

```

mysql> 24BCP128 PANAV PATEL;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL se
rver version for the right syntax to use near '24BCP128 PANAV PATEL' at line 1
mysql> alter table Client_master add column TELEPHONE INT;
Query OK, 0 rows affected (0.19 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 | Bangalore | 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> 24BCP128 PANAV PATEL;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL se
rver version for the right syntax to use near '24BCP128 PANAV PATEL' at line 1
mysql> alter table Product_master modify column SELLPRICE DECIMAL(10,2);
Query OK, 6 rows affected (0.09 sec)
Records: 6  Duplicates: 0  Warnings: 0

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 | 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)

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 |
| UNIT_MEASURE | varchar(10) | YES | NULL |
| QTYONHAND | int | YES | NULL |
| REORDERLVL | int | YES | NULL |
| SELLPRICE | decimal(10,2) | YES | NULL |
| COSTPRICE | decimal(8,2) | YES | NULL |
+-----+-----+-----+-----+-----+-----+
8 rows in set (0.03 sec)
```

4. Exercise on deleting the table structure along with the data.

a. Destroy the table Client_Master along with its data.

```
mysql> 24BCP128 PANAV PATEL;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL se
rver version for the right syntax to use near '24BCP128 PANAV PATEL' at line 1
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 | Bangalore | 400060 | Maharashtra | 2000.00 | NULL |
| C00006 | Deepak sharma | NULL | NULL | Mangalore | 560050 | Karnataka | 0.00 | NULL |
+-----+-----+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> drop table Client_master;
Query OK, 0 rows affected (0.05 sec)

mysql> select * from Client_master;
ERROR 1146 (42S02): Table '24bc128_panav_patel.client_master' doesn't exist
```

5. Exercise on renaming the table.

a. Change the name of the Salesman_Master to sman_mast.

```
mysql> 24BCP128 PANAV PATEL;
ERROR 1064 (42000): You have an error in your SQL
syntax; check the manual that corresponds to your
MySQL server version for the right syntax to use
near '24BCP128 PANAV PATEL' at line 1
mysql> SHOW TABLES;
+-----+
| Tables_in_24bcpl28_panav_patel |
+-----+
| product_master
| salesman_master
+-----+
2 rows in set (0.00 sec)

mysql> rename table salesman_master to sman_mast;
Query OK, 0 rows affected (0.05 sec)

mysql> show tables;
+-----+
| Tables_in_24bcpl28_panav_patel |
+-----+
| product_master
| sman_mast
+-----+
2 rows in set (0.00 sec)
```

Experiment-4

Title: DDL (Data Definition Language) commands with Data Constraints

Objective: To understand the concept of data constraints that is enforced on data being stored in the table. Focus on Primary Key and the Foreign Key

Aim: To define tables using constraints such as PRIMARY KEY, FOREIGN KEY, etc.

Theory: Constraints are used to maintain accuracy and integrity of data.

Exercise

1.Create the tables described below:

Table name: CLIENT_MASTER_1

Description: used to store client information.

Code/Output:

```
mysql> 24BCP128 PANAV BRIJESH PATEL;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual
that corresponds to your MySQL server version for the right syntax to use
near '24BCP128 PANAV BRIJESH PATEL' at line 1
mysql> CREATE TABLE CLIENT_MASTER_1 (
    ->     CLIENTNO VARCHAR(6) PRIMARY KEY CHECK (CLIENTNO LIKE 'C%'),
    ->     NAME VARCHAR(20) NOT NULL,
    ->     ADDRESS1 VARCHAR(30),
    ->     ADDRESS2 VARCHAR(30),
    ->     CITY VARCHAR(15),
    ->     PINCODE INT(8),
    ->     STATE VARCHAR(15),
    ->     BALDUE DECIMAL(10,2)
    -> );
Query OK, 0 rows affected, 1 warning (0.11 sec)

mysql> DESC CLIENT_MASTER_1;
+-----+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| CLIENTNO | varchar(6) | NO   | PRI | NULL    |       |
| NAME      | varchar(20) | NO   |     | NULL    |       |
| ADDRESS1  | varchar(30) | YES  |     | NULL    |       |
| ADDRESS2  | varchar(30) | YES  |     | NULL    |       |
| CITY      | varchar(15) | YES  |     | NULL    |       |
| PINCODE   | int        | YES  |     | NULL    |       |
| STATE     | varchar(15) | YES  |     | NULL    |       |
| BALDUE    | decimal(10,2)| YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
8 rows in set (0.01 sec)
```

Table Name: PRODUCT_MASTER_1

Description: used to store product information

Code/Output:

```
mysql> 24BCP128 PANAV BRIJESH PATEL;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual
that corresponds to your MySQL server version for the right syntax to use
near '24BCP128 PANAV BRIJESH PATEL' at line 1
mysql> CREATE TABLE PRODUCT_MASTER_1 (
->     PRODUCTNO VARCHAR(6) PRIMARY KEY CHECK (PRODUCTNO LIKE 'P%'),
->     DESCRIPTION VARCHAR(15) NOT NULL,
->     PROFITPERCENT DECIMAL(4,2) NOT NULL,
->     UNIT_MEASURE VARCHAR(10) NOT NULL,
->     QTYONHAND INT(8) NOT NULL,
->     REORDERLVL INT(8) NOT NULL,
->     SELLPRICE DECIMAL(8,2) NOT NULL,
->     COSTPRICE DECIMAL(8,2) NOT NULL
-> )
-> ;
Query OK, 0 rows affected, 2 warnings (0.04 sec)

mysql> DESC PRODUCT_MASTER_1;
+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| PRODUCTNO | varchar(6) | NO | PRI | NULL |
| DESCRIPTION | varchar(15) | NO |     | NULL |
| PROFITPERCENT | decimal(4,2) | NO |     | NULL |
| UNIT_MEASURE | varchar(10) | NO |     | NULL |
| QTYONHAND | int | NO |     | NULL |
| REORDERLVL | int | NO |     | NULL |
| SELLPRICE | decimal(8,2) | NO |     | NULL |
| COSTPRICE | decimal(8,2) | NO |     | NULL |
+-----+-----+-----+-----+-----+
8 rows in set (0.00 sec)
```

Table Name: SALESMAN_MASTER_1

Description: used to store salesman information working for the company.

Code/Output:

```

mysql> 24BCP128 PANAV BRIJESH PATEL;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual
that corresponds to your MySQL server version for the right syntax to use near
'24BCP128 PANAV BRIJESH PATEL' at line 1
mysql> CREATE TABLE SALESMAN_MASTER_1 (
    ->     SALESMANNO VARCHAR(6) PRIMARY KEY CHECK (SALESMANNO LIKE 'S%'),
    ->     SALESMANNAME VARCHAR(20) NOT NULL,
    ->     ADDRESS1 VARCHAR(30) NOT NULL,
    ->     ADDRESS2 VARCHAR(30),
    ->     CITY VARCHAR(20),
    ->     PINCODE INT(8),
    ->     STATE VARCHAR(20),
    ->     SALAMT DECIMAL(8,2) NOT NULL CHECK (SALAMT <> 0),
    ->     TGTTOGET DECIMAL(6,2) NOT NULL CHECK (TGTTOGET <> 0),
    ->     YTDSALES DOUBLE(6,2) NOT NULL,
    ->     REMARKS VARCHAR(60)
    -> );
Query OK, 0 rows affected, 2 warnings (0.04 sec)

mysql> DESC SALESMAN_MASTER_1;
+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key  | Default | Extra |
+-----+-----+-----+-----+-----+
| SALESMANNO | varchar(6) | NO | PRI | NULL |          |
| SALESMANNAME | varchar(20) | NO |      | NULL |          |
| ADDRESS1 | varchar(30) | NO |      | NULL |          |
| ADDRESS2 | varchar(30) | YES |      | NULL |          |
| CITY | varchar(20) | YES |      | NULL |          |
| PINCODE | int    | YES |      | NULL |          |
| STATE | varchar(20) | YES |      | NULL |          |
| SALAMT | decimal(8,2) | NO |      | NULL |          |
| TGTTOGET | decimal(6,2) | NO |      | NULL |          |
| YTDSALES | double(6,2) | NO |      | NULL |          |
| REMARKS | varchar(60) | YES |      | NULL |          |
+-----+-----+-----+-----+-----+
11 rows in set (0.01 sec)

```

2. Reinsert the data in these three tables based upon Lab 2.

Code/Output:

```

mysql> 24BCP128 PANAV BRIJESH PATEL;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your
MySQL server version for the right syntax to use near '24BCP128 PANAV BRIJESH PATEL' at line 1
mysql> INSERT INTO CLIENT_MASTER_1 VALUES
    -> ('C00001', 'Ivan bayross', 'Address1', 'Address2', 'Mumbai', 400054, 'Maharashtra', 15000),
    -> ('C00002', 'Mamta Muzumdar', 'Address1', 'Address2', 'Madras', 780001, 'Tamil Nadu', 0),
    -> ('C00003', 'Chhaya Bankar', 'Address1', 'Address2', 'Mumbai', 400057, 'Maharashtra', 5000),
    -> ('C00004', 'Ashwini Joshi', 'Address1', 'Address2', 'Bangalore', 560001, 'Karnataka', 0),
    -> ('C00005', 'Hansel Colaco', 'Address1', 'Address2', 'Mumbai', 400060, 'Maharashtra', 2000),
    -> ('C00006', 'Deepak Sharma', 'Address1', 'Address2', 'Mangalore', 560050, 'Karnataka', 0);
Query OK, 6 rows affected (0.01 sec)
Records: 6  Duplicates: 0  Warnings: 0

```

```

mysql> 24BCP128 PANAV BRIJESH PATEL;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '24BCP128 PANAV BRIJESH PATEL' at line 1
mysql> INSERT INTO PRODUCT_MASTER_1 VALUES
    -> ('P00001', 'T-Shirt', 5.00, 'Piece', 200, 50, 350, 250),
    -> ('P0345', 'Shirts', 6.00, 'Piece', 150, 50, 500, 350),
    -> ('P06734', 'Cotton Jeans', 5.00, 'Piece', 100, 20, 600, 450),
    -> ('P07865', 'Jeans', 5.00, 'Piece', 100, 20, 750, 500),
    -> ('P07868', 'Trousers', 2.00, 'Piece', 150, 50, 850, 550),
    -> ('P07885', 'Pull Overs', 2.50, 'Piece', 80, 30, 700, 450),
    -> ('P07965', 'Denim Jeans', 4.00, 'Piece', 100, 40, 350, 250),
    -> ('P07975', 'Lycra Tops', 5.00, 'Piece', 70, 30, 300, 175),
    -> ('P08865', 'Skirts', 5.00, 'Piece', 75, 30, 450, 300);
Query OK, 9 rows affected (0.07 sec)
Records: 9  Duplicates: 0  Warnings: 0

```

```

mysql> 24BCP128 PANAV BRIJESH PATEL;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '24BCP128 PANAV BRIJESH PATEL' at line 1
mysql> INSERT INTO SALESMAN_MASTER_1 VALUES
    -> ('S00001', 'Aman', 'A/14 Worli', NULL, 'Mumbai', 400002, 'Maharashtra', 3000, 100, 50, 'Good'),
    -> ('S00002', 'Omkar', '65 Nariman', NULL, 'Mumbai', 400001, 'Maharashtra', 3000, 200, 100, 'Good'),
    -> ('S00003', 'Raj', 'P-7 Bandra', NULL, 'Mumbai', 400032, 'Maharashtra', 3000, 200, 100, 'Good'),
    -> ('S00004', 'Ashish', 'A/5 Juhu', NULL, 'Mumbai', 400044, 'Maharashtra', 3500, 200, 150, 'Good');
Query OK, 4 rows affected (0.01 sec)
Records: 4  Duplicates: 0  Warnings: 0

```

3. Display the contents of each table.

Code/Output:

```

mysql> 24BCP128 PANAV BRIJESH PATEL;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '24BCP128 PANAV BRIJESH PATEL' at line 1
mysql> SELECT * FROM CLIENT_MASTER_1;
+-----+-----+-----+-----+-----+-----+-----+-----+
| CLIENTNO | NAME | ADDRESS1 | ADDRESS2 | CITY | PINCODE | STATE | BALDUE |
+-----+-----+-----+-----+-----+-----+-----+-----+
| C00001 | Ivan bayross | Address1 | Address2 | Mumbai | 400054 | Maharashtra | 15000.00 |
| C00002 | Mamta Muzumdar | Address1 | Address2 | Madras | 780001 | Tamil Nadu | 0.00 |
| C00003 | Chhaya Bankar | Address1 | Address2 | Mumbai | 400057 | Maharashtra | 5000.00 |
| C00004 | Ashwini Joshi | Address1 | Address2 | Bangalore | 560001 | Karnataka | 0.00 |
| C00005 | Hansel Colaco | Address1 | Address2 | Mumbai | 400060 | Maharashtra | 2000.00 |
| C00006 | Deepak Sharma | Address1 | Address2 | Mangalore | 560050 | Karnataka | 0.00 |
+-----+-----+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)

```

```

mysql> 24BCP128 PANAV BRIJESH PATEL;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '24BCP128 PANAV BRIJESH PATEL' at line 1
mysql> SELECT * FROM PRODUCT_MASTER_1;
+-----+-----+-----+-----+-----+-----+-----+-----+
| 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 |
| 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 Jeans | 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)

```

```
mysql> 24BCP128 PANAV BRIJESH PATEL;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the
right syntax to use near '24BCP128 PANAV BRIJESH PATEL' at line 1
mysql> SELECT * FROM SALESMAN_MASTER_1;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| SALESMANNO | SALESMANNAME | ADDRESS1 | ADDRESS2 | CITY | PINCODE | STATE | SALAMT | TGTTOGET | YTDSALES | REMARKS |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| S00001 | Aman | A/14 Worli | NULL | Mumbai | 400002 | Maharashtra | 3000.00 | 100.00 | 50.00 | Good |
| S00002 | Omkar | 65 Nariman | NULL | Mumbai | 400001 | Maharashtra | 3000.00 | 200.00 | 100.00 | Good |
| S00003 | Raj | P-7 Bandra | NULL | Mumbai | 400032 | Maharashtra | 3000.00 | 200.00 | 100.00 | Good |
| S00004 | Ashish | A/5 Juhu | NULL | Mumbai | 400044 | Maharashtra | 3500.00 | 200.00 | 150.00 | Good |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```