

Name - Yash Lakhtariya

Enrollment number - 21162101012

Branch - CBA , Batch - 31

DBMS Practical 1

Institute of Computer Technology

B. Tech Computer Science and Engineering

Sub: Database Management System (2CSE301)

Practical 1: To create database and insert records in the tables.

Scenario: Louis as a Computer Engineer want to establish Computer hardware & Accessories Shop. In this digital era, they are planning to build Website and Application. After meeting with IT Professionals, they gave their requirements to develop the same. Based on information gathered, the IT Company is about to initiate to create Database and various operations on that accordingly.

A) Table Name: Client_Info

Description: Used to store information about clients.

Column Name	Data Type	Size
Client_no	Varchar	6
Client Name	Char	20
Ciy	Varchar	15
Pincode	Numeric	8
State	Varchar	15
Bal_due	Numeric	10,2
Date of commencement	Date	

B) Table Name: Product_Info

Description: Used to store information about products.

Column Name	Data Type	Size

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Product_no	Varchar	6
Description	Varchar	15
P_percent	Numeric	4,2
U_measure	Varchar	10
Qty_on_hand	Numeric	8
Reorder_lvl	Numeric	8
Sell_price	Numeric	8,2
Cost_price	Numeric	8,2

C) Table Name: Salesman_Info

Description: Used to store information about salesman working in the company.

S_no	Varchar	6
S_name	Varchar	20
Mobile number	Numeric	10
City	Varchar	20
Pincode	Numeric	8
State	Varchar	20
Sal_amt	Numeric	8,2
Tgt_to_get	Numeric	6,2
Ytd_sales	Numeric	6,2
remarks	Varchar	12

D) Table Name: Client_Info

A)

Client_no	Name	City	Pincode	State	Bal_due	Date of comment

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C001	Ivan	Bombay	400054	Maharashtra	15000	04-01-2021
C002	Vandana	Madras	780001	Tamil Nadu	0	06-01-2021
C003	Pramada	Bombay	400057	Maharashtra	5000	07-01-2021
C004	Basu	Bombay	400056	Maharashtra	0	09-01-2021
C005	Ravi	Delhi	100001	Gujarat	2000	11-01-2021
C006	Rukmani	Bombay	400050	Maharashtra	0	12-01-2021

B) Table Name: Product_Info

Product_No	Description	P_percent	U_Measure	Qty_on_hand	Reorder_lvl	sell_price	Cost_price
P001	Sound card	5	Piece	100	20	525	500
P002	Monitor	6	Piece	10	3	12000	11280
P003	Mouse	5	Piece	20	5	1050	1000
P004	Networking devices	5	Piece	100	20	525	500
P005	Keyboard s	2	Piece	10	3	3150	3050
P006	webcam s	6	Piece	10	3	5250	5100
P007	External devices	4	Piece	10	3	8400	8000

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C) Table Name: Salesman_Info

S_no	S_name	Mobile number	City	Pin	State	Sal_Amt	Tgt_to get	Ytd_Sales	Remarks
S001	Kiran	9406 758 943	ahmedabad	380015	Gujarat	3000	100	50	Excellent
S002	Manish	7865 463 728	baroda	400001	Gujarat	3000	200	100	Good
S003	Ravi	9878 905 467	surat	300032	Gujarat	3000	200	100	Average
S004	Ashish	7987 092 134	Rajkot	600044	Gujarat	3500	200	150	Good

Exercises and respective queries with output/s :

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1. Create database in mysql with your branch name and enrollment number.

```
A Terminal 0.0 b/s 2.8 kb/s 11:55:44 AM
yash@haribol64 ~
└─$ sudo su -
[sudo] password for yash:
root@haribol64 ~ as 🎉
└─$ mysql
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 13
Server version: 10.8.3-MariaDB Arch Linux

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> create database CBA_21162101012;
Query OK, 1 row affected (0.001 sec)

MariaDB [(none)]> GRANT ALL PRIVILEGES ON CBA_21162101012.* TO 'yash'@'localhost';
Query OK, 0 rows affected (0.005 sec)

MariaDB [(none)]> quit
Bye

root@haribol64 ~ as 🎉 took 6m22s
└─$ exit

yash@haribol64 ~ took 6m30s
└─$ mysql
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 14
Server version: 10.8.3-MariaDB Arch Linux

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use CBA_21162101012;
Database changed
MariaDB [CBA_21162101012]>
```

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2. Create table client_Info.

```
A Terminal 10.7 kb/s 0.0 b/s 12:14:07 PM mysql ~
Your MariaDB connection id is 13
Server version: 10.8.3-MariaDB Arch Linux

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> create database CBA_21162101012;
Query OK, 1 row affected (0.001 sec)

MariaDB [(none)]> GRANT ALL PRIVILEGES ON CBA_21162101012.* TO 'yash'@'localhost';
Query OK, 0 rows affected (0.005 sec)

MariaDB [(none)]> quit
Bye

root@haribol64 ~ as 🎉 took 6m22s
└─ exit

yash@haribol64 ~ took 6m30s
└─ mysql
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 14
Server version: 10.8.3-MariaDB Arch Linux

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use CBA_21162101012;
Database changed
MariaDB [CBA_21162101012]> create table client_info(Client_no varchar(6), C_Name char(20), City varchar(15), Pincode numeric(8), State varchar(15),Bal_due numeric(10,2), Date_of_commemencement Date);
Query OK, 0 rows affected (0.014 sec)

MariaDB [CBA_21162101012]> show tables;
+-----+
| Tables_in_CBA_21162101012 |
+-----+
| client_info |
+-----+
1 row in set (0.000 sec)

MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
```

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3. Create table product_Info.

```
A Terminal 0.0 b/s 1.6 kb/s 12:18:48 PM mysql ~
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> create database CBA_21162101012;
Query OK, 1 row affected (0.001 sec)

MariaDB [(none)]> GRANT ALL PRIVILEGES ON CBA_21162101012.* TO 'yash'@'localhost';
Query OK, 0 rows affected (0.005 sec)

MariaDB [(none)]> quit
Bye

[root@haribol64 ~]# took 6m22s
exit

[yash@haribol64 ~]# took 6m30s
mysql
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 14
Server version: 10.8.3-MariaDB Arch Linux

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use CBA_21162101012;
Database changed
MariaDB [CBA_21162101012]> create table client_info(Client_no varchar(6), C_Name char(20), City varchar(15), Pincode numeric(8), State varchar(15), Bal_due numeric(10,2), Date_of_commencement Date);
Query OK, 0 rows affected (0.014 sec)

MariaDB [CBA_21162101012]> show tables;
+-----+
| Tables_in_CBA_21162101012 |
+-----+
| client_info |
+-----+
1 row in set (0.000 sec)

MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]> create table product_info(Product_no varchar(20), Descriptionn varchar(50), P_percent numeric(4,2), U_measure varchar(20), Qty_on_hand numeric(8), Reorder_lvl numeric(8), Sell_price numeric(8,2), Cost_price numeric(8,2));
Query OK, 0 rows affected (0.013 sec)

MariaDB [CBA_21162101012]>
```

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4. Create table salesman_ Info.

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5. Describe structure for client_Info table.

```
A Terminal 16.4 kb/s 30.7 kb/s 12:21:09 PM mysql~  
Your MariaDB connection id is 14  
Server version: 10.8.3-MariaDB Arch Linux  
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.  
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.  
MariaDB [(none)]> use CBA_21162101012;  
Database changed  
MariaDB [CBA_21162101012]> create table client_info(Client_no varchar(6), C_Name char(20), City varchar(15), Pincode numeric(8), State varchar(15), Bal_due numeric(10,2), Date_of_commencement Date);  
Query OK, 0 rows affected (0.014 sec)  
MariaDB [CBA_21162101012]> show tables;  
+-----+  
| Tables_in_CBA_21162101012 |  
+-----+  
| client_info |  
+-----+  
1 row in set (0.000 sec)  
MariaDB [CBA_21162101012]>  
MariaDB [CBA_21162101012]> create table product_info(Product_no varchar(20), Descriptionn varchar(50), P_percent numeric(4,2), U_measure varchar(20), Qty_on_hand numeric(8), Reorder_lvl numeric(8), Sell_price numeric(8,2), Cost_price numeric(8,2));  
Query OK, 0 rows affected (0.013 sec)  
MariaDB [CBA_21162101012]> create table salesman_info(S_no varchar(6), S_name varchar(20), Mobile_Number numeric(10), City varchar(20), Pincode numeric(8), State varchar(20), Sal_amnt numeric(8,2), Tgt_to_get numeric(6,2), Ytd_sales numeric(6,2), Remarks varchar(12));  
Query OK, 0 rows affected (0.014 sec)  
MariaDB [CBA_21162101012]> desc client_info;  
+-----+-----+-----+-----+-----+  
| Field | Type | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+  
| Client_no | varchar(6) | YES | | NULL |  
| C_Name | char(20) | YES | | NULL |  
| City | varchar(15) | YES | | NULL |  
| Pincode | decimal(8,0) | YES | | NULL |  
| State | varchar(15) | YES | | NULL |  
| Bal_due | decimal(10,2) | YES | | NULL |  
| Date_of_commencement | date | YES | | NULL |  
+-----+-----+-----+-----+-----+  
7 rows in set (0.001 sec)  
MariaDB [CBA_21162101012]>
```

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6. Describe structure for product_info table.

```
A Terminal 0.0 b/s 0.0 b/s 12:21:39 PM mysql~  
Tables_in_CBA_21162101012  
+-----+  
| client_info |  
+-----+  
1 row in set (0.000 sec)  
  
MariaDB [CBA_21162101012]> create table product_info(Product_no varchar(20), Descriptionn varchar(50), P_percent numeric(4,2), U_measure varchar(20), Qty_on_hand numeric(8), Reorder_lvl numeric(8), Sell_price numeric(8,2), Cost_price numeric(8,2));  
Query OK, 0 rows affected (0.013 sec)  
  
MariaDB [CBA_21162101012]> create table salesman_info(S_no varchar(6), S_name varchar(20), Mobile_Number numeric(10), City varchar(20), Pincode numeric(8), State varchar(20), Sal_amnt numeric(8,2), Tgt_to_get numeric(6,2), Ytd_sales numeric(6,2), Remarks varchar(12));  
Query OK, 0 rows affected (0.014 sec)  
  
MariaDB [CBA_21162101012]> desc client_info;  
+-----+-----+-----+-----+-----+  
| Field | Type | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+  
| Client_no | varchar(6) | YES | NULL | NULL |  
| C_Name | char(20) | YES | NULL | NULL |  
| City | varchar(15) | YES | NULL | NULL |  
| Pincode | decimal(8,0) | YES | NULL | NULL |  
| State | varchar(15) | YES | NULL | NULL |  
| Bal_due | decimal(10,2) | YES | NULL | NULL |  
| Date_of_commencement | date | YES | NULL | NULL |  
+-----+-----+-----+-----+-----+  
7 rows in set (0.001 sec)  
  
MariaDB [CBA_21162101012]> desc product_info;  
+-----+-----+-----+-----+-----+  
| Field | Type | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+  
| Product_no | varchar(20) | YES | NULL | NULL |  
| Descriptionn | varchar(50) | YES | NULL | NULL |  
| P_percent | decimal(4,2) | YES | NULL | NULL |  
| U_measure | varchar(20) | YES | NULL | NULL |  
| Qty_on_hand | decimal(8,0) | YES | NULL | NULL |  
| Reorder_lvl | decimal(8,0) | YES | NULL | NULL |  
| Sell_price | decimal(8,2) | YES | NULL | NULL |  
| Cost_price | decimal(8,2) | YES | NULL | NULL |  
+-----+-----+-----+-----+-----+  
8 rows in set (0.001 sec)  
MariaDB [CBA_21162101012]>
```

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7. Describe structure for salesman_Info table.

```
A Terminal 0.0 b/s 0.0 b/s 12:21:51 PM mysql~  
| Field | Type | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| Client_no | varchar(6) | YES | | NULL | |  
| C_Name | char(20) | YES | | NULL | |  
| City | varchar(15) | YES | | NULL | |  
| Pincode | decimal(8,0) | YES | | NULL | |  
| State | varchar(15) | YES | | NULL | |  
| Bal_due | decimal(10,2) | YES | | NULL | |  
| Date_of_commencement | date | YES | | NULL | |  
+-----+-----+-----+-----+-----+-----+  
7 rows in set (0.001 sec)  
  
MariaDB [CBA_21162101012]> desc product_info;  
+-----+-----+-----+-----+-----+-----+  
| Field | Type | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| Product_no | varchar(20) | YES | | NULL | |  
| Descriptionn | varchar(50) | YES | | NULL | |  
| P_percent | decimal(4,2) | YES | | NULL | |  
| U_measure | varchar(20) | YES | | NULL | |  
| Qty_on_hand | decimal(8,0) | YES | | NULL | |  
| Reorder_lvl | decimal(8,0) | YES | | NULL | |  
| Sell_price | decimal(8,2) | YES | | NULL | |  
| Cost_price | decimal(8,2) | YES | | NULL | |  
+-----+-----+-----+-----+-----+-----+  
8 rows in set (0.001 sec)  
  
MariaDB [CBA_21162101012]> desc salesman_info;  
+-----+-----+-----+-----+-----+-----+  
| Field | Type | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| S_no | varchar(6) | YES | | NULL | |  
| S_name | varchar(20) | YES | | NULL | |  
| Mobile_Number | decimal(10,0) | YES | | NULL | |  
| City | varchar(20) | YES | | NULL | |  
| Pincode | decimal(8,0) | YES | | NULL | |  
| State | varchar(20) | YES | | NULL | |  
| Sal_amnt | decimal(8,2) | YES | | NULL | |  
| Tgt_to_get | decimal(6,2) | YES | | NULL | |  
| Ytd_sales | decimal(6,2) | YES | | NULL | |  
| Remarks | varchar(12) | YES | | NULL | |  
+-----+-----+-----+-----+-----+-----+  
10 rows in set (0.001 sec)  
MariaDB [CBA_21162101012]>
```

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8. Insert records in client_info table.

```
A Terminal 0.0 b/s 0.0 b/s 12:22:48PM mysql~ 99%
| C_Name      | char(20)    | YES   | NULL |
| City        | varchar(15) | YES   | NULL |
| Pincode     | decimal(8,0) | YES   | NULL |
| State       | varchar(15) | YES   | NULL |
| Bal_due     | decimal(10,2) | YES   | NULL |
| Date_of_commencement | date | YES   | NULL |
+-----+-----+-----+-----+
7 rows in set (0.001 sec)

MariaDB [CBA_21162101012]> desc product_info;
+-----+-----+-----+-----+-----+-----+
| Field    | Type     | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Product_no | varchar(20) | YES | NULL |
| Descriptionn | varchar(50) | YES | NULL |
| P_percent | decimal(4,2) | YES | NULL |
| U_measure | varchar(20) | YES | NULL |
| Qty_on_hand | decimal(8,0) | YES | NULL |
| Reorder_lvl | decimal(8,0) | YES | NULL |
| Sell_price | decimal(8,2) | YES | NULL |
| Cost_price | decimal(8,2) | YES | NULL |
+-----+-----+-----+-----+-----+
8 rows in set (0.001 sec)

MariaDB [CBA_21162101012]> desc salesman_info;
+-----+-----+-----+-----+-----+-----+
| Field    | Type     | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| S_no      | varchar(6) | YES | NULL |
| S_name     | varchar(20) | YES | NULL |
| Mobile_Number | decimal(10,0) | YES | NULL |
| City       | varchar(20) | YES | NULL |
| Pincode    | decimal(8,0) | YES | NULL |
| State      | varchar(20) | YES | NULL |
| Sal_amnt   | decimal(8,2) | YES | NULL |
| Tgt_to_get | decimal(6,2) | YES | NULL |
| Ytd_sales  | decimal(6,2) | YES | NULL |
| Remarks    | varchar(12) | YES | NULL |
+-----+-----+-----+-----+-----+
10 rows in set (0.001 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C001", 'Ivan', "Bombay", 400054, "Maharashtra", 15000, '20210104');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]>
```

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```
| A | Terminal | 549.3 b/s | 0.0 b/s | 12:23:26 PM | mysql ~ |
| State | varchar(15) | YES | | NULL | |
| Bal_due | decimal(10,2) | YES | | NULL | |
| Date_of_commencement | date | YES | | NULL | |
+-----+-----+-----+-----+-----+
7 rows in set (0.001 sec)

MariaDB [CBA_21162101012]> desc product_info;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| Product_no | varchar(20) | YES | | NULL | |
| Descriptionn | varchar(50) | YES | | NULL | |
| P_percent | decimal(4,2) | YES | | NULL | |
| U_measure | varchar(20) | YES | | NULL | |
| Qty_on_hand | decimal(8,0) | YES | | NULL | |
| Reorder_lvl | decimal(8,0) | YES | | NULL | |
| Sell_price | decimal(8,2) | YES | | NULL | |
| Cost_price | decimal(8,2) | YES | | NULL | |
+-----+-----+-----+-----+-----+
8 rows in set (0.001 sec)

MariaDB [CBA_21162101012]> desc salesman_info;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| S_no | varchar(6) | YES | | NULL | |
| S_name | varchar(20) | YES | | NULL | |
| Mobile_Number | decimal(10,0) | YES | | NULL | |
| City | varchar(20) | YES | | NULL | |
| Pincode | decimal(8,0) | YES | | NULL | |
| State | varchar(20) | YES | | NULL | |
| Sal_amnt | decimal(8,2) | YES | | NULL | |
| Tgt_to_get | decimal(6,2) | YES | | NULL | |
| Ytd_sales | decimal(6,2) | YES | | NULL | |
| Remarks | varchar(12) | YES | | NULL | |
+-----+-----+-----+-----+-----+
10 rows in set (0.001 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C001", 'Ivan', "Bombay", 400054, "Maharashtra", 15000, '20210104');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C002", 'Vandana', "Madras", 780001, "Tamil Nadu", 0, '20210106');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]>
```

```
| A | Terminal | 549.3 b/s | 362.7 b/s | 12:24:06 PM | mysql ~ |
+-----+-----+-----+-----+-----+
7 rows in set (0.001 sec)

MariaDB [CBA_21162101012]> desc product_info;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| Product_no | varchar(20) | YES | | NULL | |
| Descriptionn | varchar(50) | YES | | NULL | |
| P_percent | decimal(4,2) | YES | | NULL | |
| U_measure | varchar(20) | YES | | NULL | |
| Qty_on_hand | decimal(8,0) | YES | | NULL | |
| Reorder_lvl | decimal(8,0) | YES | | NULL | |
| Sell_price | decimal(8,2) | YES | | NULL | |
| Cost_price | decimal(8,2) | YES | | NULL | |
+-----+-----+-----+-----+-----+
8 rows in set (0.001 sec)

MariaDB [CBA_21162101012]> desc salesman_info;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| S_no | varchar(6) | YES | | NULL | |
| S_name | varchar(20) | YES | | NULL | |
| Mobile_Number | decimal(10,0) | YES | | NULL | |
| City | varchar(20) | YES | | NULL | |
| Pincode | decimal(8,0) | YES | | NULL | |
| State | varchar(20) | YES | | NULL | |
| Sal_amnt | decimal(8,2) | YES | | NULL | |
| Tgt_to_get | decimal(6,2) | YES | | NULL | |
| Ytd_sales | decimal(6,2) | YES | | NULL | |
| Remarks | varchar(12) | YES | | NULL | |
+-----+-----+-----+-----+-----+
10 rows in set (0.001 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C001", 'Ivan', "Bombay", 400054, "Maharashtra", 15000, '20210104');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C002", 'Vandana', "Madras", 780001, "Tamil Nadu", 0, '20210106');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C003", 'Pramada', "Bombay", 400057, "Maharashtra", 5000, '20210107');
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]>
```

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```
A Terminal 0.0 b/s 378.7 b/s 12:24:29 PM mysql ~
MariaDB [CBA_21162101012]> desc product_info;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| Product_no | varchar(20) | YES | NULL |
| Descriptionn | varchar(50) | YES | NULL |
| P_percent | decimal(4,2) | YES | NULL |
| U_measure | varchar(20) | YES | NULL |
| Qty_on_hand | decimal(8,0) | YES | NULL |
| Reorder_lvl | decimal(8,0) | YES | NULL |
| Sell_price | decimal(8,2) | YES | NULL |
| Cost_price | decimal(8,2) | YES | NULL |
+-----+-----+-----+-----+-----+
8 rows in set (0.001 sec)

MariaDB [CBA_21162101012]> desc salesman_info;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| S_no | varchar(6) | YES | NULL |
| S_name | varchar(20) | YES | NULL |
| Mobile_Number | decimal(10,0) | YES | NULL |
| City | varchar(20) | YES | NULL |
| Pincode | decimal(8,0) | YES | NULL |
| State | varchar(20) | YES | NULL |
| Sal_amnt | decimal(8,2) | YES | NULL |
| Tgt_to_get | decimal(6,2) | YES | NULL |
| Ytd_sales | decimal(6,2) | YES | NULL |
| Remarks | varchar(12) | YES | NULL |
+-----+-----+-----+-----+-----+
10 rows in set (0.001 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C001", 'Ivan', "Bombay", 400054, "Maharashtra", 15000, '20210104');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C002", 'Vandana', 'Madras', 780001, "Tamil Nadu", 0, '20210106');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C003", 'Pramada', "Bombay", 400057, "Maharashtra", 5000, '20210107');
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C004", 'Basu', "Bombay", 400056, "Maharashtra", 0, '20210109');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]>
```

```
A Terminal 0.0 b/s 0.0 b/s 12:24:51 PM mysql ~
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| Product_no | varchar(20) | YES | NULL |
| Descriptionn | varchar(50) | YES | NULL |
| P_percent | decimal(4,2) | YES | NULL |
| U_measure | varchar(20) | YES | NULL |
| Qty_on_hand | decimal(8,0) | YES | NULL |
| Reorder_lvl | decimal(8,0) | YES | NULL |
| Sell_price | decimal(8,2) | YES | NULL |
| Cost_price | decimal(8,2) | YES | NULL |
+-----+-----+-----+-----+-----+
8 rows in set (0.001 sec)

MariaDB [CBA_21162101012]> desc salesman_info;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| S_no | varchar(6) | YES | NULL |
| S_name | varchar(20) | YES | NULL |
| Mobile_Number | decimal(10,0) | YES | NULL |
| City | varchar(20) | YES | NULL |
| Pincode | decimal(8,0) | YES | NULL |
| State | varchar(20) | YES | NULL |
| Sal_amnt | decimal(8,2) | YES | NULL |
| Tgt_to_get | decimal(6,2) | YES | NULL |
| Ytd_sales | decimal(6,2) | YES | NULL |
| Remarks | varchar(12) | YES | NULL |
+-----+-----+-----+-----+-----+
10 rows in set (0.001 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C001", 'Ivan', "Bombay", 400054, "Maharashtra", 15000, '20210104');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C002", 'Vandana', 'Madras', 780001, "Tamil Nadu", 0, '20210106');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C003", 'Pramada', "Bombay", 400057, "Maharashtra", 5000, '20210107');
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C004", 'Basu', "Bombay", 400056, "Maharashtra", 0, '20210109');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C005", 'Ravi', "Delhi", 100001, "Gujarat", 2000, '20210111');
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]>
```

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DBMS Practical 1

```
▲ □ Terminal 10.7 kb/s 0.0 b/s 12:25:12 PM mysql ~
● ● ■
| P_percent | decimal(4,2) | YES | | NULL |
| U_measure | varchar(20) | YES | | NULL |
| Qty_on_hand | decimal(8,0) | YES | | NULL |
| Reorder_lvl | decimal(8,0) | YES | | NULL |
| Sell_price | decimal(8,2) | YES | | NULL |
| Cost_price | decimal(8,2) | YES | | NULL |
+-----+-----+-----+-----+
8 rows in set (0.001 sec)

MariaDB [CBA_21162101012]> desc salesman_info;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| S_no | varchar(6) | YES | | NULL |
| S_name | varchar(20) | YES | | NULL |
| Mobile_Number | decimal(10,0) | YES | | NULL |
| City | varchar(20) | YES | | NULL |
| Pincode | decimal(8,0) | YES | | NULL |
| State | varchar(20) | YES | | NULL |
| Sal_amnt | decimal(8,2) | YES | | NULL |
| Tgt_to_get | decimal(6,2) | YES | | NULL |
| Ytd_sales | decimal(6,2) | YES | | NULL |
| Remarks | varchar(12) | YES | | NULL |
+-----+-----+-----+-----+
10 rows in set (0.001 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C001", 'Ivan', "Bombay", 400054, "Maharashtra", 15000, '20210104');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C002", 'Vandana', "Madras", 780001, "Tamil Nadu", 0, '20210106');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C003", 'Pramada', "Bombay", 400057, "Maharashtra", 5000, '20210107');
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C004", 'Basu', "Bombay", 400056, "Maharashtra", 0, '20210109');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C005", 'Ravi', "Delhi", 100001, "Gujarat", 2000, '20210111');
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C006", 'Rukmani', "Bombay", 400050, "Maharashtra", 0, '20210112');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]>
```

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DBMS Practical 1

9. Insert records in product_info table.

```
A Terminal 10.7 kb/s 0.0 b/s 12:25:52 PM mysql ~

MariaDB [CBA_21162101012]> desc salesman_info;
+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| S_no  | varchar(6) | YES  |     | NULL    |       |
| S_name | varchar(20) | YES  |     | NULL    |       |
| Mobile_Number | decimal(10,0) | YES  |     | NULL    |       |
| City   | varchar(20) | YES  |     | NULL    |       |
| Pincode | decimal(8,0) | YES  |     | NULL    |       |
| State  | varchar(20) | YES  |     | NULL    |       |
| Sal_amnt | decimal(8,2) | YES  |     | NULL    |       |
| Tot_to_get | decimal(6,2) | YES  |     | NULL    |       |
| Ytd_sales | decimal(6,2) | YES  |     | NULL    |       |
| Remarks | varchar(12) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+
10 rows in set (0.001 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C001", "Ivan", "Bombay", 400054, "Maharashtra", 15000, '20210104');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C002", "Vandana", "Madras", 780001, "Tamil Nadu", 0, '20210106');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C003", "Pramada", "Bombay", 400057, "Maharashtra", 5000, '20210107');
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C004", "Basu", "Bombay", 400056, "Maharashtra", 0, '20210109');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C005", "Ravi", "Delhi", 100001, "Gujarat", 2000, '20210111');
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C006", "Rukmani", "Bombay", 400050, "Maharashtra", 0, '20210112');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]> insert into product_info values("P001", "Sound card", 5, "Piece", 100, 20, 525, 500);
Query OK, 1 row affected (0.002 sec)

MariaDB [CBA_21162101012]>
```

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```
Terminal 0.0 b/s 0.0 b/s 12:26:27 PM mysql ~
+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| S_no  | varchar(6) | YES  |     | NULL    |       |
| S_name | varchar(20) | YES  |     | NULL    |       |
| Mobile_Number | decimal(10,0) | YES  |     | NULL    |       |
| City   | varchar(20) | YES  |     | NULL    |       |
| Pincode | decimal(8,0) | YES  |     | NULL    |       |
| State  | varchar(20) | YES  |     | NULL    |       |
| Sal_amnt | decimal(8,2) | YES  |     | NULL    |       |
| Tgt_to_get | decimal(6,2) | YES  |     | NULL    |       |
| Ytd_sales | decimal(6,2) | YES  |     | NULL    |       |
| Remarks | varchar(12) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+
10 rows in set (0.001 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C001", 'Ivan', "Bombay", 400054, "Maharashtra", 15000, '20210104');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C002", 'Vandana', "Madras", 780001, "Tamil Nadu", 0, '20210106');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C003", 'Pramada', "Bombay", 400057, "Maharashtra", 5000, '20210107');
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C004", 'Basu', "Bombay", 400056, "Maharashtra", 0, '20210109');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C005", 'Ravi', "Delhi", 100001, "Gujarat", 2000, '20210111');
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C006", 'Rukmani', "Bombay", 400050, "Maharashtra", 0, '20210112');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]> insert into product_info values("P001", "Sound card", 5, "Piece", 100, 20, 525, 500);
Query OK, 1 row affected (0.002 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P002", "Monitor", 6, "Piece", 10, 3, 12000, 11280);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]>
```

```
Terminal 10.7 kb/s 432.0 b/s 12:26:42 PM mysql ~
+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| S_name | varchar(20) | YES  |     | NULL    |       |
| Mobile_Number | decimal(10,0) | YES  |     | NULL    |       |
| City   | varchar(20) | YES  |     | NULL    |       |
| Pincode | decimal(8,0) | YES  |     | NULL    |       |
| State  | varchar(20) | YES  |     | NULL    |       |
| Sal_amnt | decimal(8,2) | YES  |     | NULL    |       |
| Tgt_to_get | decimal(6,2) | YES  |     | NULL    |       |
| Ytd_sales | decimal(6,2) | YES  |     | NULL    |       |
| Remarks | varchar(12) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+
10 rows in set (0.001 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C001", 'Ivan', "Bombay", 400054, "Maharashtra", 15000, '20210104');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C002", 'Vandana', "Madras", 780001, "Tamil Nadu", 0, '20210106');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C003", 'Pramada', "Bombay", 400057, "Maharashtra", 5000, '20210107');
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C004", 'Basu', "Bombay", 400056, "Maharashtra", 0, '20210109');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C005", 'Ravi', "Delhi", 100001, "Gujarat", 2000, '20210111');
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C006", 'Rukmani', "Bombay", 400050, "Maharashtra", 0, '20210112');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]> insert into product_info values("P001", "Sound card", 5, "Piece", 100, 20, 525, 500);
Query OK, 1 row affected (0.002 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P002", "Monitor", 6, "Piece", 10, 3, 12000, 11280);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P003", "Mouse", 5, "Piece", 20, 5, 1050, 1000);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]>
```

Name - Yash Lakhtariya

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Branch - CBA , Batch - 31

DBMS Practical 1

```
Terminal 0.0 b/s 2.4 kb/s 12:27:00 PM mysql ~
+-----+
| Pincode | decimal(8,0) | YES | NULL |
| State   | varchar(20)  | YES | NULL |
| Sal_amnt | decimal(8,2) | YES | NULL |
| Tot_to_get | decimal(6,2) | YES | NULL |
| Ytd_sales | decimal(6,2) | YES | NULL |
| Remarks | varchar(12) | YES | NULL |
+-----+
10 rows in set (0.001 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C001", "Ivan", "Bombay", 400054, "Maharashtra", 15000, '20210104');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C002", "Vandana", "Madras", 780001, "Tamil Nadu", 0, '20210106');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C003", "Pramada", "Bombay", 400057, "Maharashtra", 5000, '20210107');
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C004", "Basu", "Bombay", 400056, "Maharashtra", 0, '20210109');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C005", "Ravi", "Delhi", 100001, "Gujarat", 2000, '20210111');
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C006", "Rukmani", "Bombay", 400050, "Maharashtra", 0, '20210112');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]> insert into product_info values("P001", "Sound card", 5, "Piece", 100, 20, 525, 500);
Query OK, 1 row affected (0.002 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P002", "Monitor", 6, "Piece", 10, 3, 12000, 11280);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P003", "Mouse", 5, "Piece", 20, 5, 1050, 1000);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P004", "Networking Devices", 5, "Piece", 100, 20, 525, 500);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]>
```

```
Terminal 6.0 kb/s 25.2 kb/s 12:27:16 PM mysql ~
+-----+
| Tgt_to_get | decimal(6,2) | YES | NULL |
| Ytd_sales | decimal(6,2) | YES | NULL |
| Remarks | varchar(12) | YES | NULL |
+-----+
10 rows in set (0.001 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C001", "Ivan", "Bombay", 400054, "Maharashtra", 15000, '20210104');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C002", "Vandana", "Madras", 780001, "Tamil Nadu", 0, '20210106');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C003", "Pramada", "Bombay", 400057, "Maharashtra", 5000, '20210107');
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C004", "Basu", "Bombay", 400056, "Maharashtra", 0, '20210109');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C005", "Ravi", "Delhi", 100001, "Gujarat", 2000, '20210111');
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C006", "Rukmani", "Bombay", 400050, "Maharashtra", 0, '20210112');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]> insert into product_info values("P001", "Sound card", 5, "Piece", 100, 20, 525, 500);
Query OK, 1 row affected (0.002 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P002", "Monitor", 6, "Piece", 10, 3, 12000, 11280);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P003", "Mouse", 5, "Piece", 20, 5, 1050, 1000);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P004", "Networking Devices", 5, "Piece", 100, 20, 525, 500);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P005", "Keyboards", 2, "Piece", 10, 3, 3150, 3050);
Query OK, 1 row affected (0.002 sec)

MariaDB [CBA_21162101012]>
```

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Branch - CBA , Batch - 31

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```
▲ Terminal 549.3 b/s 4.7kb/s 12:27:35 PM mysql ~
● ● ■
+-----+-----+-----+-----+
10 rows in set (0.001 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C001", 'Ivan', "Bombay", 400054, "Maharashtra", 15000, '20210104');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C002", 'Vandana', "Madras", 780001, "Tamil Nadu", 0, '20210106');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C003", 'Pramada', "Bombay", 400057, "Maharashtra", 5000, '20210107');
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C004", 'Basu', "Bombay", 400056, "Maharashtra", 0, '20210109');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C005", 'Ravi', "Delhi", 100001, "Gujarat", 2000, '20210111');
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C006", 'Rukmani', "Bombay", 400050, "Maharashtra", 0, '20210112');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]> insert into product_info values("P001", "Sound card", 5, "Piece", 100, 20, 525, 500);
Query OK, 1 row affected (0.002 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P002", "Monitor", 6, "Piece", 10, 3, 12000, 11280);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P003", "Mouse", 5, "Piece", 20, 5, 1050, 1000);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P004", "Networking Devices", 5, "Piece", 100, 20, 525, 500);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P005", "Keyboards", 2, "Piece", 10, 3, 3150, 3050);
Query OK, 1 row affected (0.002 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P006", "webcams", 6, "Piece", 10, 3, 5250, 5100);
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]>
```

```
▲ Terminal 0.0 b/s 1.2 kb/s 12:27:54 PM mysql ~
● ● ■
MariaDB [CBA_21162101012]> insert into client_info values("C001", 'Ivan', "Bombay", 400054, "Maharashtra", 15000, '20210104');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C002", 'Vandana', "Madras", 780001, "Tamil Nadu", 0, '20210106');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C003", 'Pramada', "Bombay", 400057, "Maharashtra", 5000, '20210107');
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C004", 'Basu', "Bombay", 400056, "Maharashtra", 0, '20210109');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C005", 'Ravi', "Delhi", 100001, "Gujarat", 2000, '20210111');
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C006", 'Rukmani', "Bombay", 400050, "Maharashtra", 0, '20210112');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]> insert into product_info values("P001", "Sound card", 5, "Piece", 100, 20, 525, 500);
Query OK, 1 row affected (0.002 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P002", "Monitor", 6, "Piece", 10, 3, 12000, 11280);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P003", "Mouse", 5, "Piece", 20, 5, 1050, 1000);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P004", "Networking Devices", 5, "Piece", 100, 20, 525, 500);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P005", "Keyboards", 2, "Piece", 10, 3, 3150, 3050);
Query OK, 1 row affected (0.002 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P006", "webcams", 6, "Piece", 10, 3, 5250, 5100);
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P007", "External_devices", 4, "Piece", 64, 20, 90, 420);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]>
```

Name - Yash Lakhtariya

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DBMS Practical 1

10. Insert records in salesman_info table.

```
A Terminal 0.0 b/s 352.0 b/s 12:28:23 PM mysql ~
MariaDB [CBA_21162101012]> insert into client_info values("C004", 'Basu', "Bombay", 400056, "Maharashtra", 0, '20210109');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C005", 'Ravi', "Delhi", 100001, "Gujarat", 2000, '20210111');
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C006", 'Rukmani', "Bombay", 400050, "Maharashtra", 0, '20210112');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]> insert into product_info values("P001", "Sound card", 5, "Piece", 100, 20, 525, 500);
Query OK, 1 row affected (0.002 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P002", "Monitor", 6, "Piece", 10, 3, 12000, 11280);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P003", "Mouse", 5, "Piece", 20, 5, 1050, 1000);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P004", "Networking Devices", 5, "Piece", 100, 20, 525, 500);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P005", "Keyboards", 2, "Piece", 10, 3, 3150, 3050);
Query OK, 1 row affected (0.002 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P006", "webcams", 6, "Piece", 10, 3, 5250, 5100);
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P007", "External_devices", 4, "Piece", 64, 20, 90, 420);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]> insert into salesman_info values("S001", "Kiran", 9406758943, "ahmedabad", 380015, "Gujarat", 3000, 100, 50,"Excellent");
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]>
```

Name - Yash Lakhtariya

Enrollment number - 21162101012

Branch - CBA , Batch - 31

DBMS Practical 1

```
Terminal 0.0 b/s 1.3 kb/s 12:28:45 PM mysql ~

MariaDB [CBA_21162101012]> insert into client_info values("C005", 'Ravi', "Delhi", 100001, "Gujarat", 2000, '20210111');
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> insert into client_info values("C006", 'Rukmani', "Bombay", 400050, "Maharashtra", 0, '20210112');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]> insert into product_info values("P001", "Sound card", 5, "Piece", 100, 20, 525, 500);
Query OK, 1 row affected (0.002 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P002", "Monitor", 6, "Piece", 10, 3, 12000, 11280);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P003", "Mouse", 5, "Piece", 20, 5, 1050, 1000);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P004", "Networking Devices", 5, "Piece", 100, 20, 525, 500);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P005", "Keyboards", 2, "Piece", 10, 3, 3150, 3050);
Query OK, 1 row affected (0.002 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P006", "webcams", 6, "Piece", 10, 3, 5250, 5100);
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P007", "External_devices", 4, "Piece", 64, 20, 90, 420);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]> insert into salesman_info values("S001", "Kiran", 9406758943, "ahmedabad", 380015, "Gujarat", 3000, 100, 50,"Excellent");
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into salesman_info values("S002", "Manish", 7865463728, "baroda", 400001, "Gujarat", 3000, 200, 100,"Good");
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]>
```

```
Terminal 0.0 b/s 0.0 b/s 12:29:15 PM mysql ~

MariaDB [CBA_21162101012]> insert into client_info values("C006", 'Rukmani', "Bombay", 400050, "Maharashtra", 0, '20210112');
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]> insert into product_info values("P001", "Sound card", 5, "Piece", 100, 20, 525, 500);
Query OK, 1 row affected (0.002 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P002", "Monitor", 6, "Piece", 10, 3, 12000, 11280);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P003", "Mouse", 5, "Piece", 20, 5, 1050, 1000);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P004", "Networking Devices", 5, "Piece", 100, 20, 525, 500);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P005", "Keyboards", 2, "Piece", 10, 3, 3150, 3050);
Query OK, 1 row affected (0.002 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P006", "webcams", 6, "Piece", 10, 3, 5250, 5100);
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P007", "External_devices", 4, "Piece", 64, 20, 90, 420);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]> insert into salesman_info values("S001", "Kiran", 9406758943, "ahmedabad", 380015, "Gujarat", 3000, 100, 50,"Excellent");
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into salesman_info values("S002", "Manish", 7865463728, "baroda", 400001, "Gujarat", 3000, 200, 100,"Good");
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into salesman_info values("S003", "Ravi", 9878905467, "surat", 300032, "Gujarat", 3000, 200, 100,"Average");
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]>
```

Name - Yash Lakhtariya

Enrollment number - 21162101012

Branch - CBA , Batch - 31

DBMS Practical 1

```
▲ Terminal 0.0 b/s 0.0 b/s 12:29:39 PM mysql ~
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]> insert into product_info values("P001", "Sound card", 5, "Piece", 100, 20, 525, 500);
Query OK, 1 row affected (0.002 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P002", "Monitor", 6, "Piece", 10, 3, 12000, 11280);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P003", "Mouse", 5, "Piece", 20, 5, 1050, 1000);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P004", "Networking Devices", 5, "Piece", 100, 20, 525, 500);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P005", "Keyboards", 2, "Piece", 10, 3, 3150, 3050);
Query OK, 1 row affected (0.002 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P006", "webcams", 6, "Piece", 10, 3, 5250, 5100);
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> insert into product_info values("P007", "External_devices", 4, "Piece", 64, 20, 90, 420);
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]> insert into salesman_info values("S001", "Kiran", 9406758943, "ahmedabad", 380015, "Gujarat", 3000, 100, 50,"Excellent");
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into salesman_info values("S002", "Manish", 7865463728, "baroda", 400001, "Gujarat", 3000, 200, 100,"Good");
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into salesman_info values("S003", "Ravi", 9878905467, "surat", 300032, "Gujarat", 3000, 200, 100,"Average");
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into salesman_info values("S004", "Ashish", 7987092134, "Rajkot", 600044, "Gujarat", 3500, 200, 150,"Good");
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> █
```

Name - Yash Lakhtariya

Enrollment number - 21162101012

Branch - CBA , Batch - 31

DBMS Practical 1

11. Retrieve all records for client_Info table.

```
A Terminal 1 0.0 b/s 0.0 b/s 12:32:09 PM mysql~  
MariaDB [CBA_21162101012]> insert into product_info values("P003", "Mouse", 5, "Piece", 20, 5, 1050, 1000);  
Query OK, 1 row affected (0.005 sec)  
MariaDB [CBA_21162101012]> insert into product_info values("P004", "Networking Devices", 5, "Piece", 100, 20, 525, 500);  
Query OK, 1 row affected (0.005 sec)  
MariaDB [CBA_21162101012]> insert into product_info values("P005", "Keyboards", 2, "Piece", 10, 3, 3150, 3050);  
Query OK, 1 row affected (0.002 sec)  
MariaDB [CBA_21162101012]> insert into product_info values("P006", "webcams", 6, "Piece", 10, 3, 5250, 5100);  
Query OK, 1 row affected (0.004 sec)  
MariaDB [CBA_21162101012]> insert into product_info values("P007", "External_devices", 4, "Piece", 64, 20, 90, 420);  
Query OK, 1 row affected (0.005 sec)  
MariaDB [CBA_21162101012]>  
MariaDB [CBA_21162101012]>  
MariaDB [CBA_21162101012]>  
MariaDB [CBA_21162101012]>  
MariaDB [CBA_21162101012]>  
MariaDB [CBA_21162101012]> insert into salesman_info values("S001", "Kiran", 9406758943, "ahmedabad", 380015, "Gujarat", 3000, 100, 50,"Excellent");  
Query OK, 1 row affected (0.005 sec)  
MariaDB [CBA_21162101012]> insert into salesman_info values("S002", "Manish", 7865463728, "baroda", 400001, "Gujarat", 3000, 200, 100,"Good");  
Query OK, 1 row affected (0.005 sec)  
MariaDB [CBA_21162101012]> insert into salesman_info values("S003", "Ravi", 9878905467, "surat", 300032, "Gujarat", 3000, 200, 100,"Average");  
Query OK, 1 row affected (0.005 sec)  
MariaDB [CBA_21162101012]> insert into salesman_info values("S004", "Ashish", 7987092134, "Rajkot", 600044, "Gujarat", 3500, 200, 150,"Good");  
Query OK, 1 row affected (0.004 sec)  
MariaDB [CBA_21162101012]> select * from client_info;  
+-----+-----+-----+-----+-----+-----+  
| Client_no | C_Name | City | Pincode | State | Bal_due | Date_of_commencement |  
+-----+-----+-----+-----+-----+-----+  
| C001 | Ivan | Bombay | 400054 | Maharashtra | 15000.00 | 2021-01-04 |  
| C002 | Vandana | Madras | 780001 | Tamil Nadu | 0.00 | 2021-01-06 |  
| C003 | Pranada | Bombay | 400057 | Maharashtra | 5000.00 | 2021-01-07 |  
| C004 | Basu | Bombay | 400056 | Maharashtra | 0.00 | 2021-01-09 |  
| C005 | Ravi | Delhi | 100001 | Gujarat | 2000.00 | 2021-01-11 |  
| C006 | Rukmani | Bombay | 400050 | Maharashtra | 0.00 | 2021-01-12 |  
+-----+-----+-----+-----+-----+  
6 rows in set (0.001 sec)  
MariaDB [CBA_21162101012]
```

Name - Yash Lakhtariya

Enrollment number - 21162101012

Branch - CBA , Batch - 31

DBMS Practical 1

12. Retrieve product_no, sell_price and cost_price for product_Info table.

```
A Terminal 10.7kb/s 1.2kb/s 12:32:27 PM mysql ~
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]>
MariaDB [CBA_21162101012]> insert into salesman_info values("S001", "Kiran", 9406758943, "ahmedabad", 380015, "Gujarat", 3000, 100, 50,"Excellent");
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into salesman_info values("S002", "Manish", 7865463728, "baroda", 400001, "Gujarat", 3000, 200, 100,"Good");
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into salesman_info values("S003", "Ravi", 9878905467, "surat", 300032, "Gujarat", 3000, 200, 100,"Average");
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into salesman_info values("S004", "Ashish", 7987092134, "Rajkot", 600044, "Gujarat", 3500, 200, 150,"Good");
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> select * from client_info;
+-----+-----+-----+-----+-----+
| Client_no | C_Name | City | Pincode | State      | Bal_due | Date_of_commencement |
+-----+-----+-----+-----+-----+
| C001      | Ivan    | Bombay | 400054 | Maharashtra | 15000.00 | 2021-01-04   |
| C002      | Vandana | Madras | 780001 | Tamil Nadu  | 0.00     | 2021-01-06   |
| C003      | Pranada | Bombay | 400057 | Maharashtra | 5000.00  | 2021-01-07   |
| C004      | Basu    | Bombay | 400056 | Maharashtra | 0.00     | 2021-01-09   |
| C005      | Ravi    | Delhi  | 100001 | Gujarat    | 2000.00  | 2021-01-11   |
| C006      | Rukmani | Bombay | 400050 | Maharashtra | 0.00     | 2021-01-12   |
+-----+-----+-----+-----+-----+
6 rows in set (0.001 sec)

MariaDB [CBA_21162101012]> select Product_no,Sell_price,Cost_price from product_info;
+-----+-----+-----+
| Product_no | Sell_price | Cost_price |
+-----+-----+-----+
| P001        | 525.00     | 500.00     |
| P002        | 12000.00   | 11280.00   |
| P003        | 1050.00    | 1000.00    |
| P004        | 525.00     | 500.00     |
| P005        | 3150.00    | 3050.00    |
| P006        | 5250.00    | 5100.00    |
| P007        | 90.00      | 420.00     |
+-----+-----+-----+
7 rows in set (0.001 sec)

MariaDB [CBA_21162101012]>
```

Name - Yash Lakhtariya

Enrollment number - 21162101012

Branch - CBA , Batch - 31

DBMS Practical 1

13. Retrieve s_no,s_name, remarks and sal_amt for salesman_info table.

```
A Terminal 10.7kb/s 0.0 b/s 12:32:47 PM mysql ~
MariaDB [CBA_21162101012]> insert into salesman_info values("S003", "Ravi", 9878905467, "surat", 300032, "Gujarat", 3000, 200, 100,"Average");
Query OK, 1 row affected (0.005 sec)

MariaDB [CBA_21162101012]> insert into salesman_info values("S004", "Ashish", 7987092134, "Rajkot", 600044, "Gujarat", 3500, 200, 150,"Good");
Query OK, 1 row affected (0.004 sec)

MariaDB [CBA_21162101012]> select * from client_info;
+-----+-----+-----+-----+-----+
| Client_no | C_Name | City | Pincode | State |
+-----+-----+-----+-----+-----+
| C001 | Ivan | Bombay | 400054 | Maharashtra |
| C002 | Vandana | Madras | 780001 | Tamil Nadu |
| C003 | Pranada | Bombay | 400057 | Maharashtra |
| C004 | Basu | Bombay | 400056 | Maharashtra |
| C005 | Ravi | Delhi | 100001 | Gujarat |
| C006 | Rukmani | Bombay | 400050 | Maharashtra |
+-----+-----+-----+-----+-----+
6 rows in set (0.001 sec)

MariaDB [CBA_21162101012]> select Product_no,Sell_price,Cost_price from product_info;
+-----+-----+-----+
| Product_no | Sell_price | Cost_price |
+-----+-----+-----+
| P001 | 525.00 | 500.00 |
| P002 | 12000.00 | 11280.00 |
| P003 | 1050.00 | 1000.00 |
| P004 | 525.00 | 500.00 |
| P005 | 3150.00 | 3050.00 |
| P006 | 5250.00 | 5100.00 |
| P007 | 90.00 | 420.00 |
+-----+-----+-----+
7 rows in set (0.001 sec)

MariaDB [CBA_21162101012]> select S_no, S_name, Remarks, Sal_amnt from salesman_info;
+-----+-----+-----+
| S_no | S_name | Remarks | Sal_amnt |
+-----+-----+-----+
| S001 | Kiran | Excellent | 3000.00 |
| S002 | Manish | Good | 3000.00 |
| S003 | Ravi | Average | 3000.00 |
| S004 | Ashish | Good | 3500.00 |
+-----+-----+-----+
4 rows in set (0.001 sec)

MariaDB [CBA_21162101012]>
```

Name - Yash Lakhtariya

Enrollment number - 21162101012

Branch - CBA , Batch - 31

DBMS Practical 1

14. Display all tables for your database.

```
A Terminal 0.0 b/s 0.0 b/s 12:34:25 PM mysql ~
mysql> select * from product_info;
+-----+-----+-----+
| Product_no | Sell_price | Cost_price |
+-----+-----+-----+
| P001       |      525.00 |      500.00 |
| P002       |    12000.00 |   11280.00 |
| P003       |     1050.00 |     1000.00 |
| P004       |      525.00 |      500.00 |
| P005       |     3150.00 |     3050.00 |
| P006       |     5250.00 |     5100.00 |
| P007       |      90.00  |      420.00 |
+-----+-----+-----+
7 rows in set (0.001 sec)

MariaDB [CBA_21162101012]> select S_no, S_name, Remarks, Sal_amnt from salesman_info;
+-----+-----+-----+-----+
| S_no | S_name | Remarks | Sal_amnt |
+-----+-----+-----+-----+
| S001 | Kiran  | Excellent | 3000.00 |
| S002 | Manish | Good    | 3000.00 |
| S003 | Ravi   | Average  | 3000.00 |
| S004 | Ashish | Good    | 3500.00 |
+-----+-----+-----+-----+
4 rows in set (0.001 sec)

MariaDB [CBA_2116210101012]> show databases;
+-----+
| Database |
+-----+
| CBA_21162101012 |
| information_schema |
| test |
+-----+
3 rows in set (0.000 sec)

MariaDB [CBA_21162101012]> show tables;
+-----+
| Tables_in_CBA_21162101012 |
+-----+
| client_info                |
| product_info                |
| salesman_info               |
+-----+
3 rows in set (0.001 sec)

MariaDB [CBA_21162101012]>
```