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Aim

Write queries for retrieving records from table using SELECT command and WHERE clause.

Experiment - 3

DATABASE MANAGEMENT SYSTEMS LAB

# **EXPERIMENT – 3**

## **Aim:**

Write queries for retrieving records from table using SELECT command and WHERE clause.

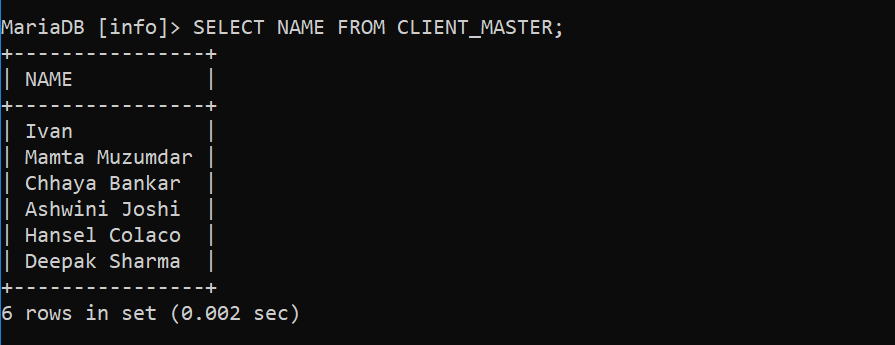
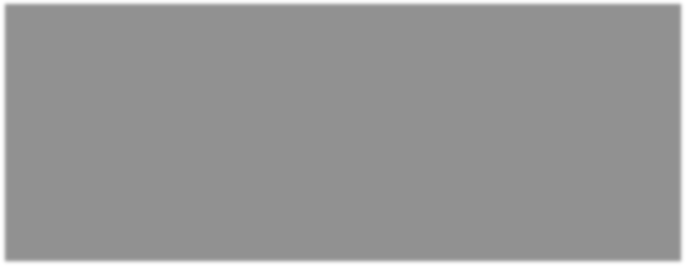
## **Tools Used:**

MariaDB

## **Procedure:**

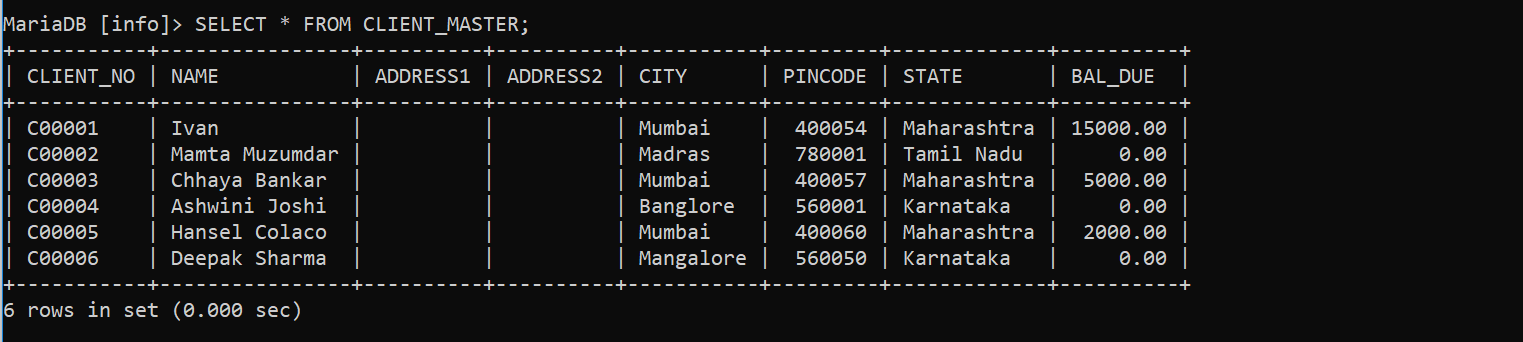
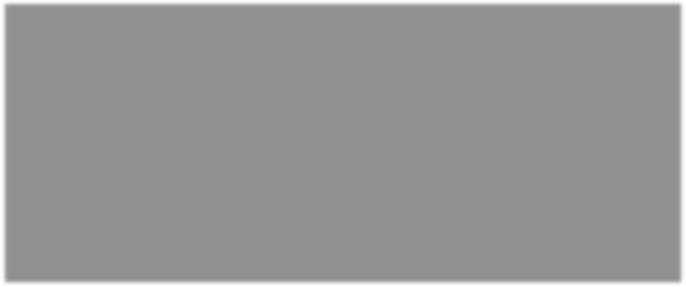
## Find out the names of all the Clients

 SELECT NAME FROM CLIENT\_MASTER;



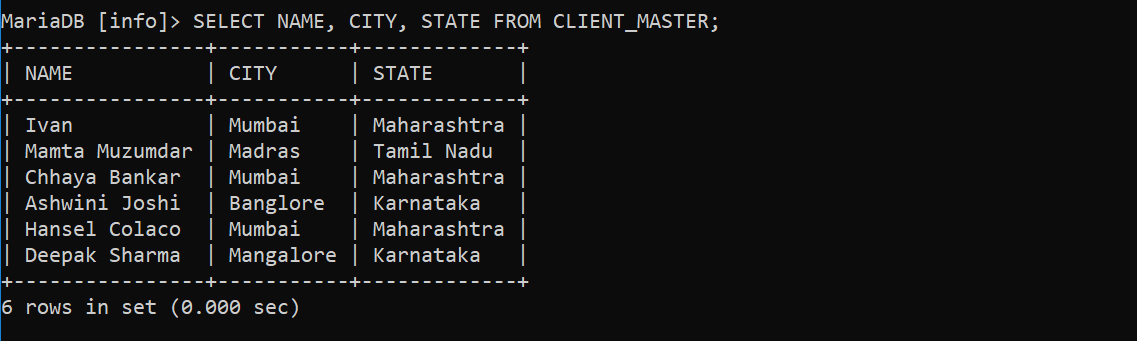
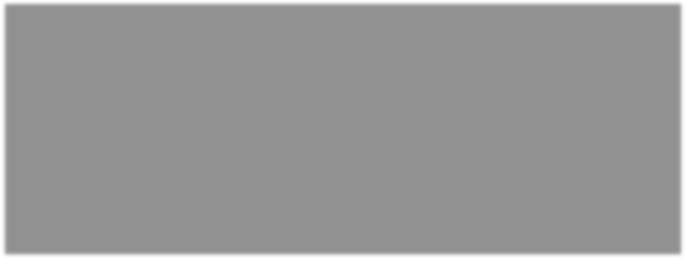
## Retrieve the entire contents of the Client\_Master table

 SELECT \* FROM CLIENT\_MASTER;



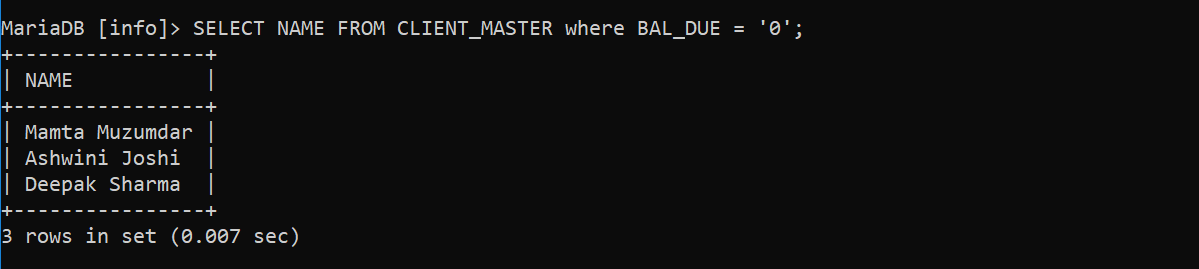
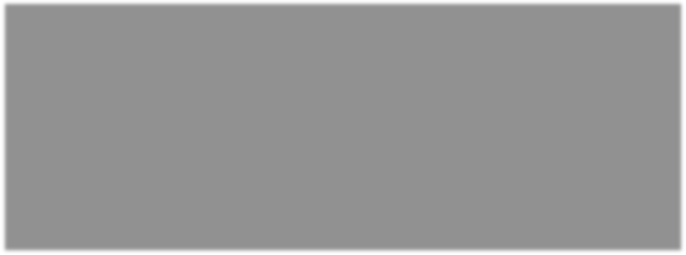
## Retrieve the list of names, cities and the states of all the clients

 SELECT NAME, CITY, STATE FROM CLIENT\_MASTER;



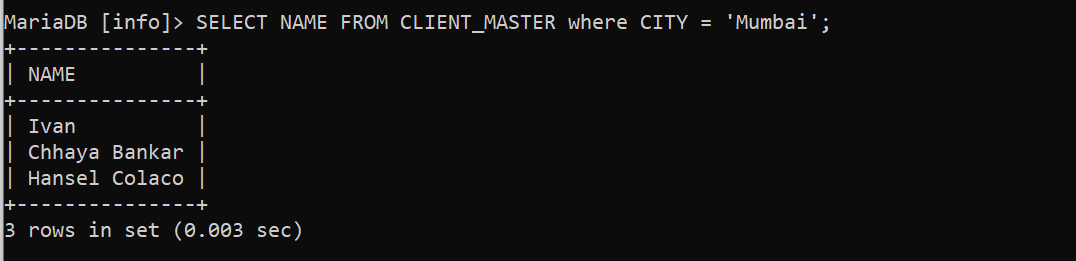
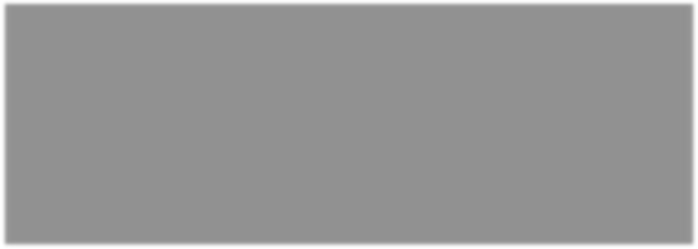
## Find names of clients from Client\_Master whose Bal\_Due is Rs.0

 SELECT NAME FROM CLIENT\_MASTER where BAL\_DUE = ‘0’;



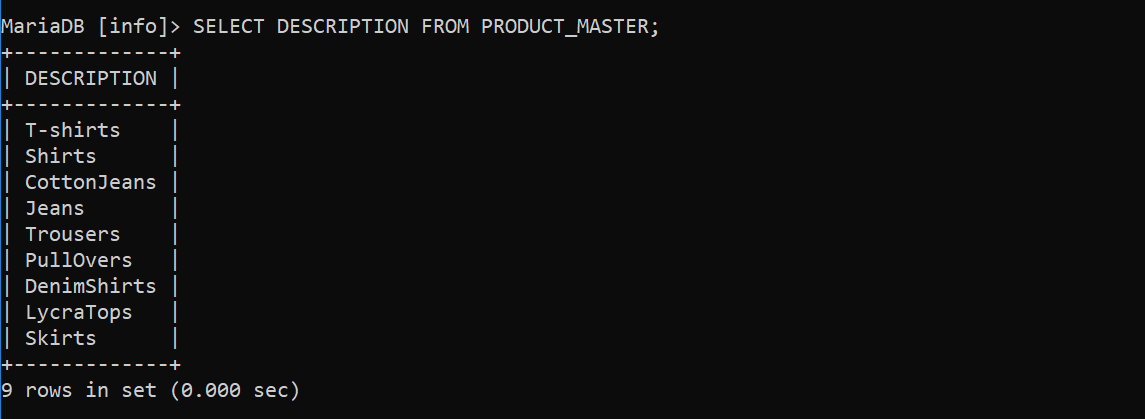
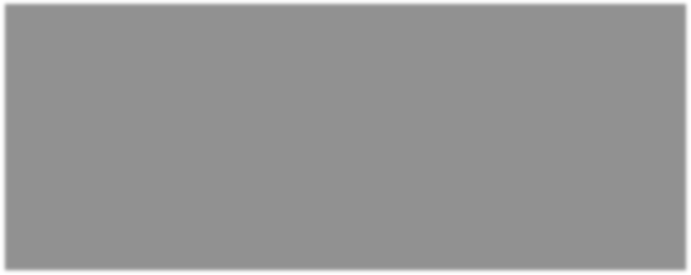
## List all the clients who are located in Mumbai.

 SELECT NAME FROM CLIENT\_MASTER where CITY = ‘Mumbai’;



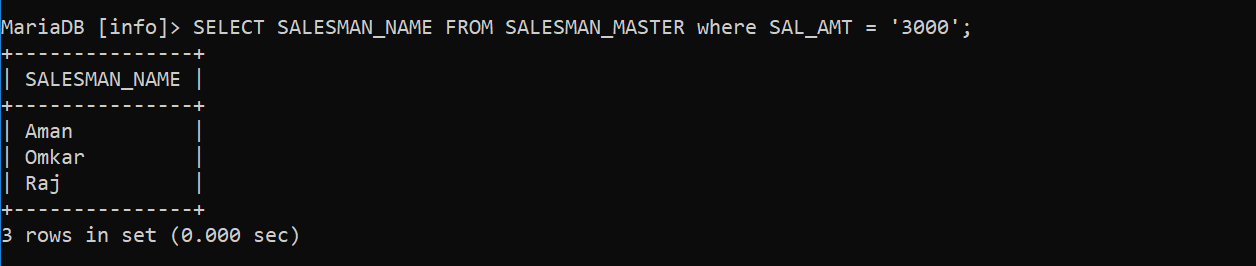
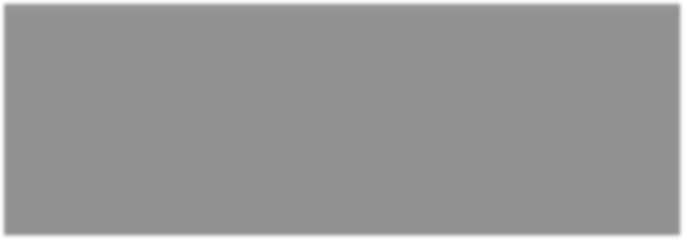
## List the various products available from the Product\_Master table

 SELECT DESCRIPTION FROM PRODUCT\_MASTER;



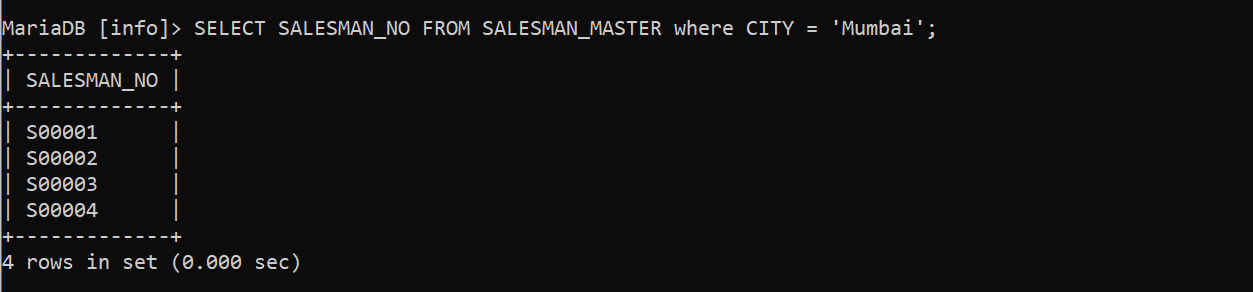
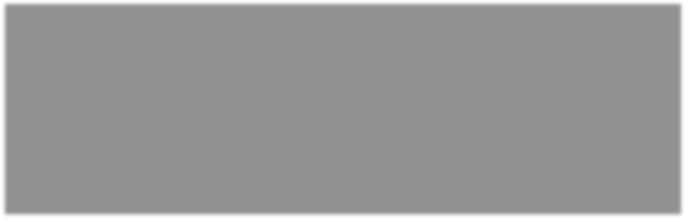
## Find the names of salesman who have Sal\_Amt = Rs.3000

 SELECT SALESMAN\_NAME FROM SALESMAN\_MASTER where SAL\_AMT = ‘3000’;



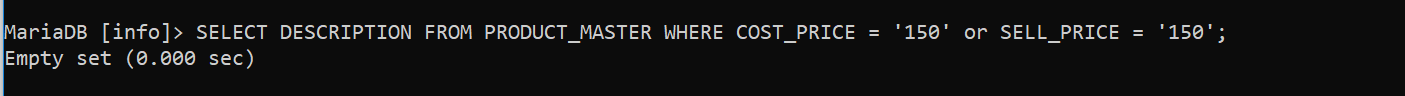
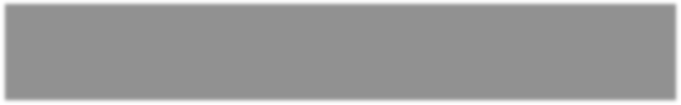
## List all Salesman\_No who live in city Mumbai

 SELECT SALESMAN\_NO FROM SALESMAN\_MASTER where CITY = ‘Mumbai’;



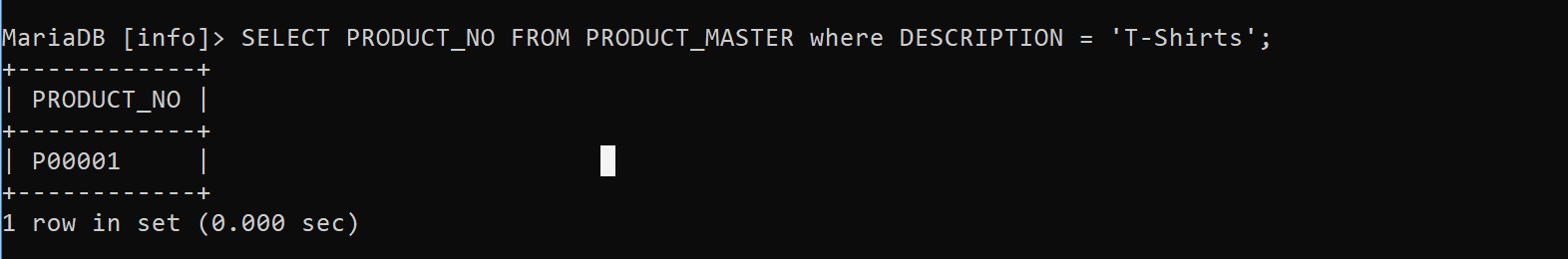
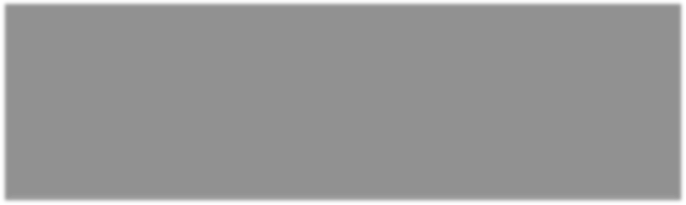
## Find Product\_No whose Price = Rs.150

 SELECT DESCRIPTION FROM PRODUCT\_MASTER WHERE COST\_PRICE = ‘150’ or SELL\_PRICE = ‘150’;



## Find Product\_No of T-Shirts in Product\_Master table

 SELECT PRODUCT\_NO FROM PRODUCT\_MASTER where DESCRIPTION = ‘T-Shirts’;



# VIVA QUESTIONS:

# 

## Que1. What is the use of SELECT command?

Ans.

The SELECT Statement in SQL is used to retrieve or fetch data from a database. We

can fetch either the entire table or according to some specified rules. The data

returned is stored in a result table. This result table is also called result-set.

## Que2. What is the purpose of WHERE clause?

Ans.

The SQL WHERE clause is used to specify a condition while fetching the data from a

single table or by joining with multiple tables. If the given condition is satisfied, then

only it returns a specific value from the table.

## Ques3. Which language supports SELECT command?

Ans.

In most applications, SELECT is the most commonly used data manipulation language

(DML) command. As SQL is a declarative programming language, SELECT queries

specify a result set, but do not specify how to calculate it.

## Que4. How to select entire content of a table?

Ans.

SELECT \* FROM table\_name;

The star will return all the records available in the specified table