**DBMS LAB**

**ASSIGNMENT-8**

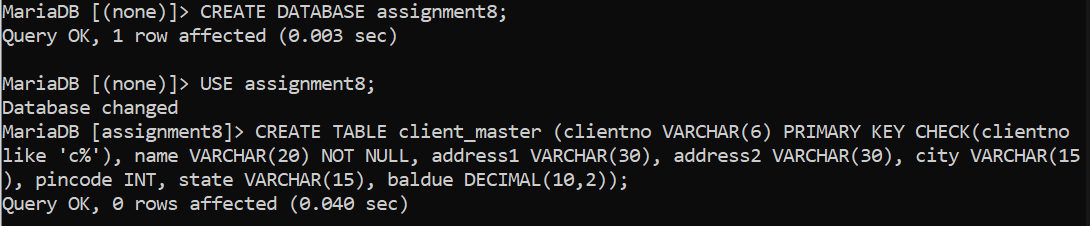
**SNEHA SINGH**

**20198023**

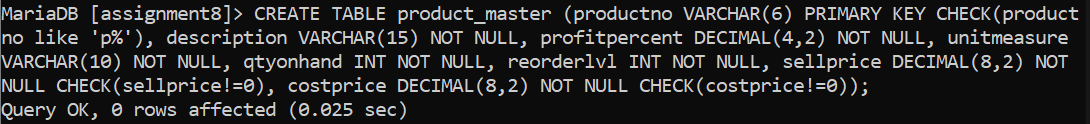
**IT 5 B2**

**Q1: Create the tables described below:**

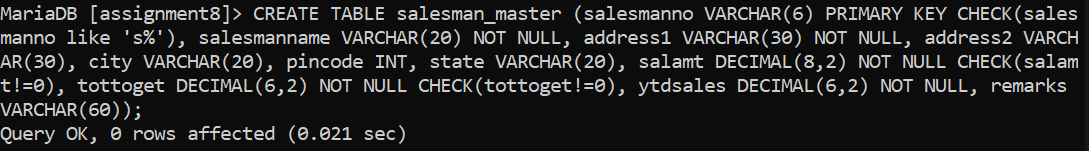
**Table Name: CLIENT\_MASTER**

****

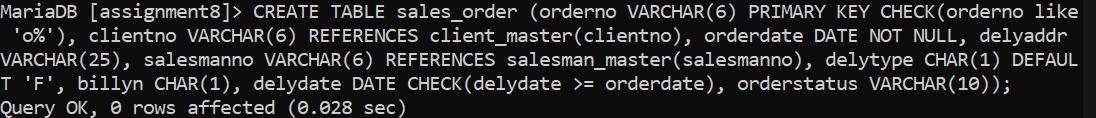
**Table Name: PRODUCT\_MASTER**

****

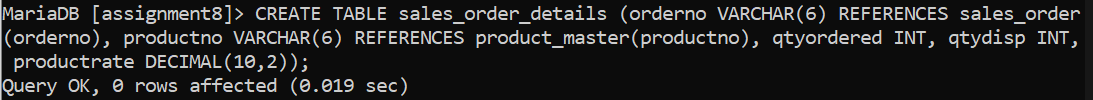
**Table Name: SALESMAN\_MASTER**

****

**Table Name: SALES\_ORDER**

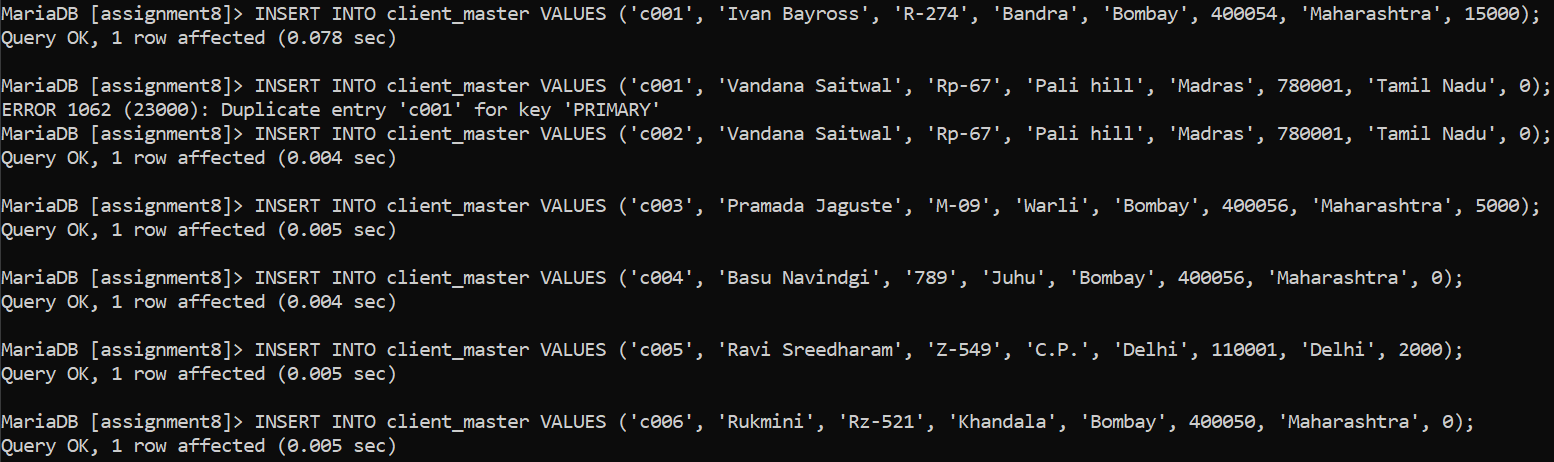
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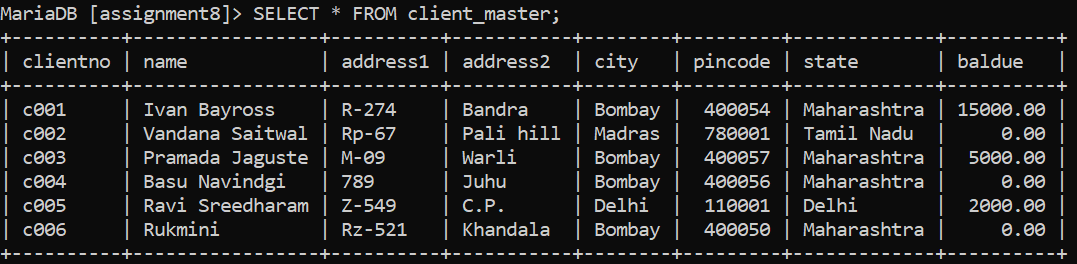
**Table Name: SALES\_ORDER\_DETAILS**

****

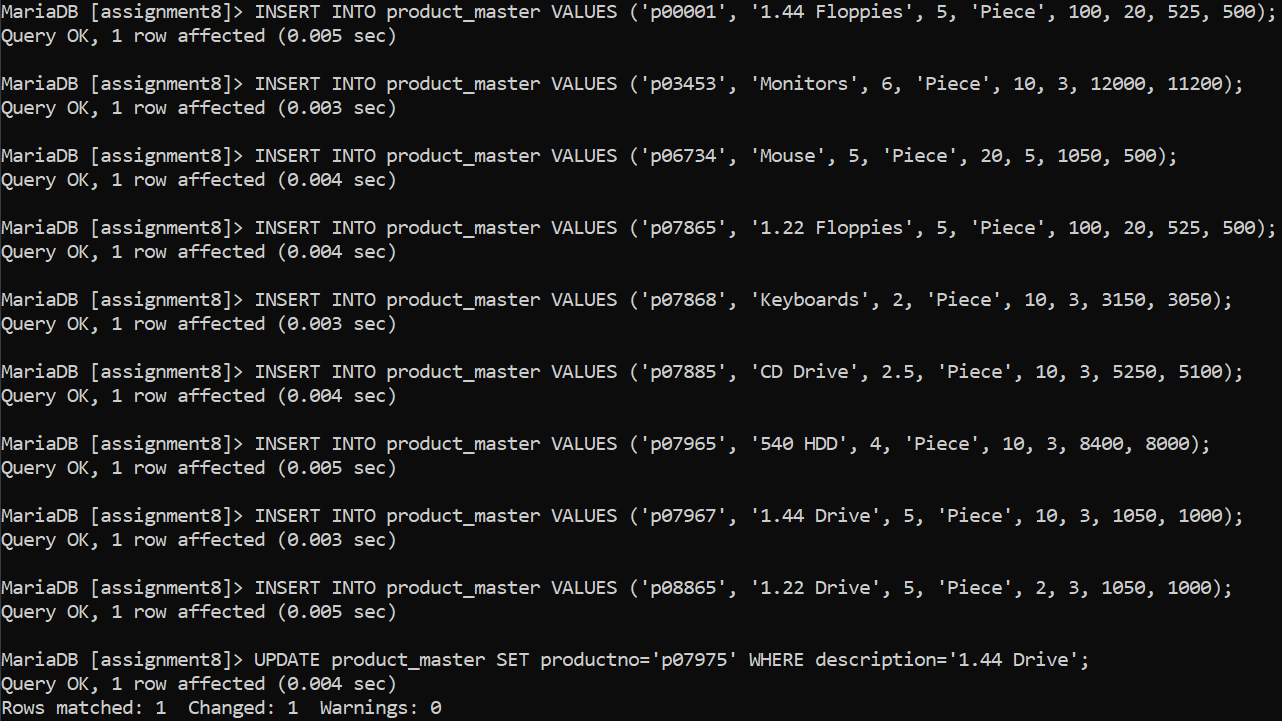
**2. Insert the following data into their respective tables:**

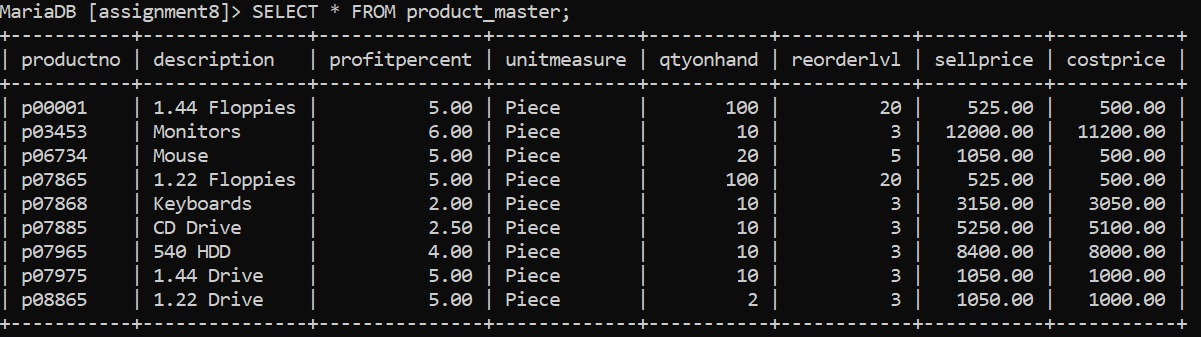
**Table Name: CLIENT\_MASTER**

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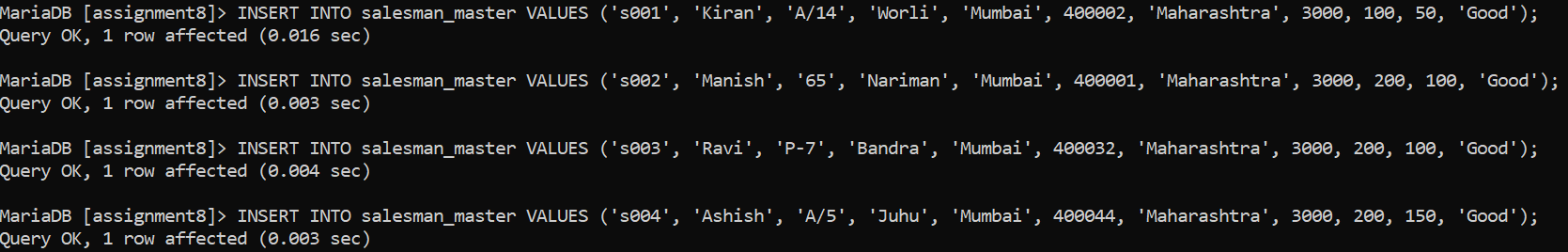
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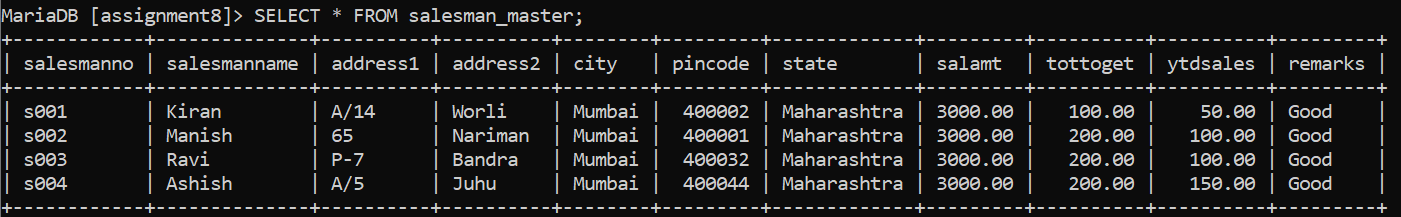
**Table Name: PRODUCT\_MASTER**

****

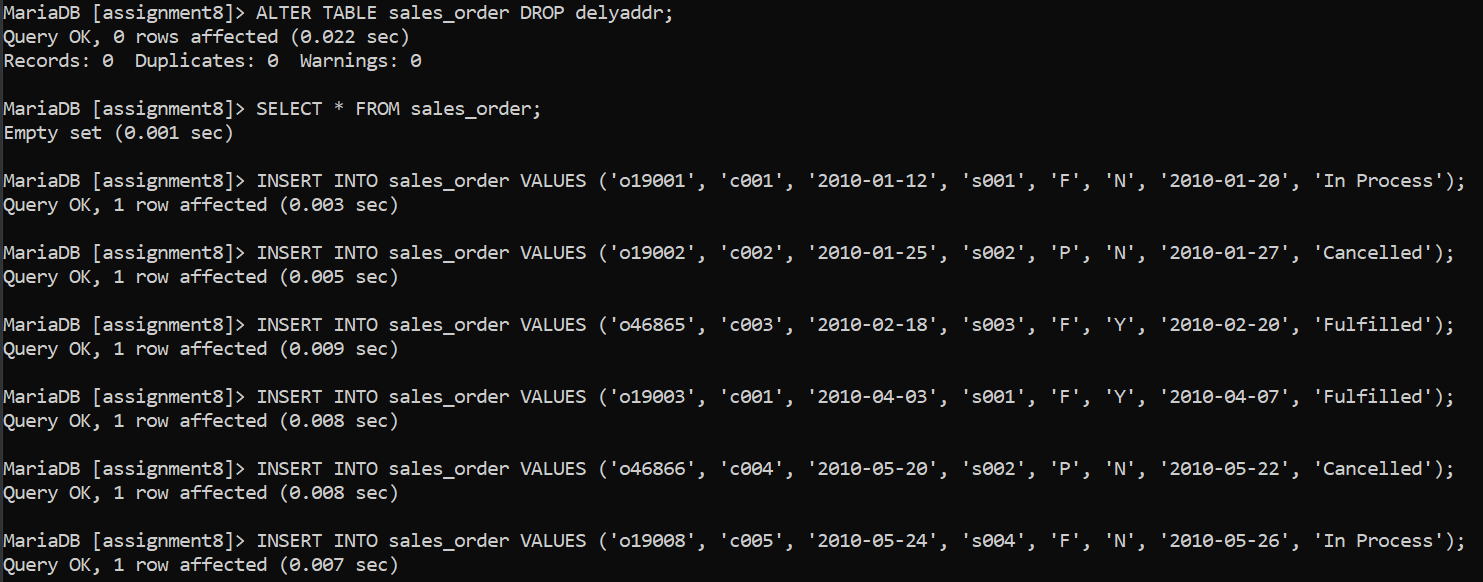
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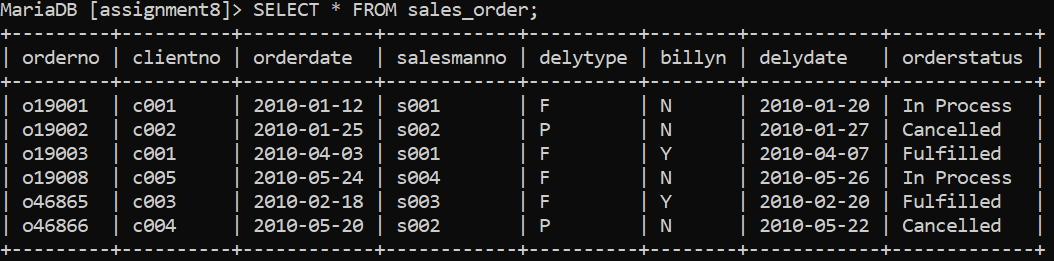
**Table Name: SALESMAN\_MASTER**

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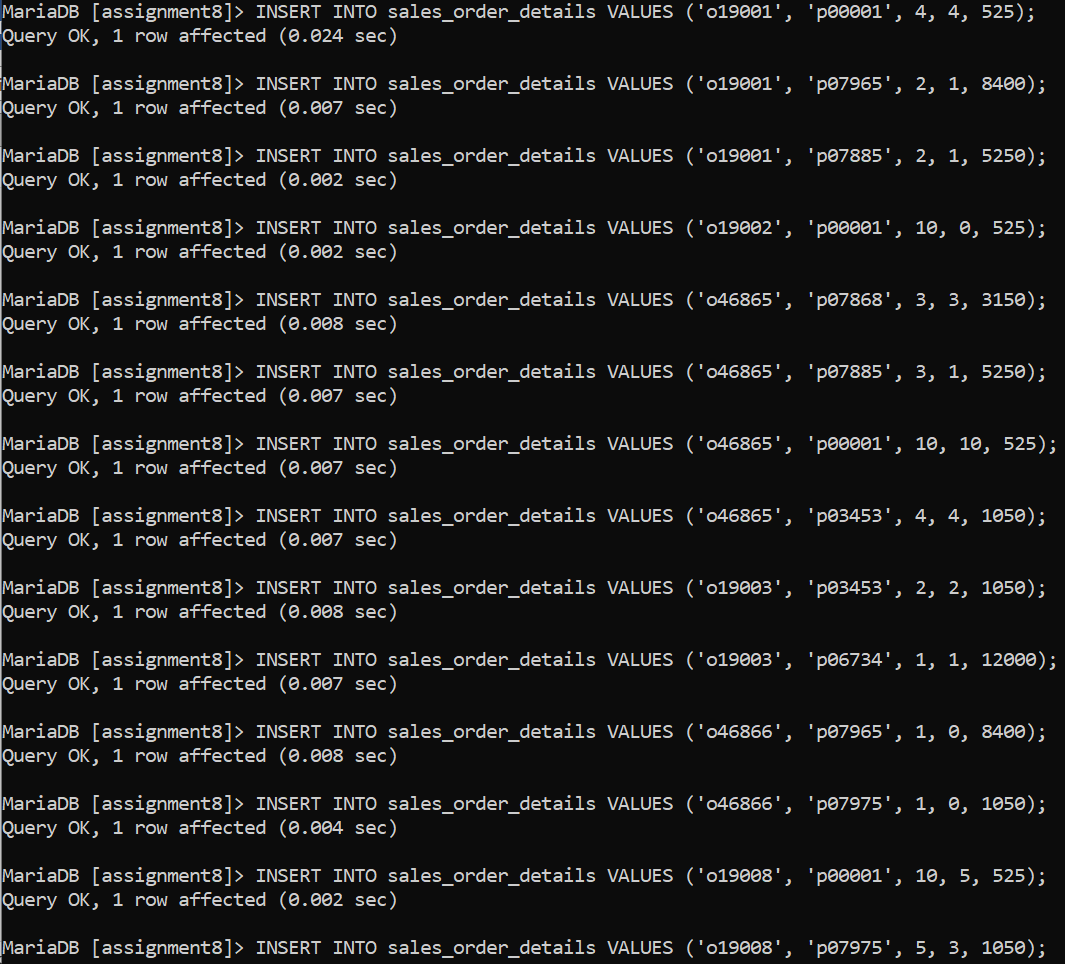
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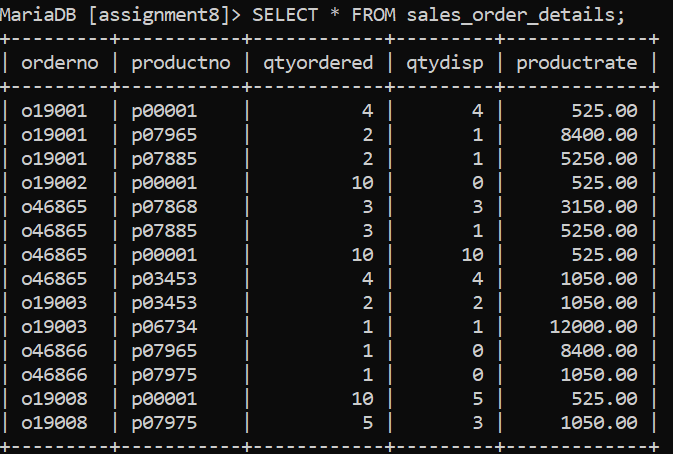
**Table Name: SALES\_ORDER**

****

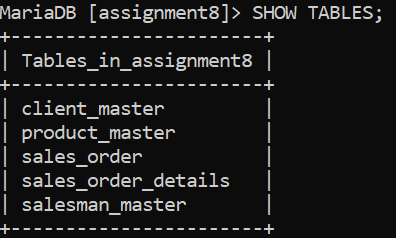
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**Table Name: SALES\_ORDER\_DETAILS**

****

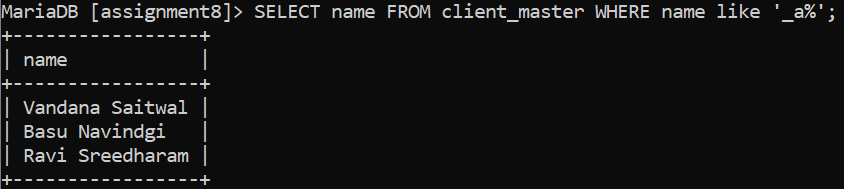
****

**3. Using the tables created previously generate the SQL statements for the operations mentioned below. The tables in user are as follows:**

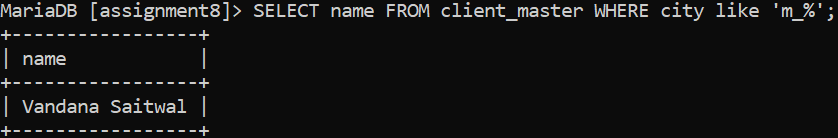
****

**i) Perform the following computations on table data:**

**a. List the names of all clients having ‘a’ as the second letter in their names.**

****

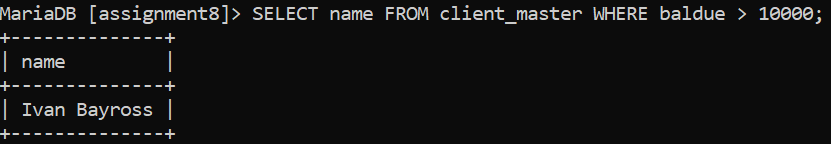
**b. List the clients who stay in a city whose First letter is ‘M’.**

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**c. List all clients who stay in ‘Bangalore’ or ‘Mangalore’**

****

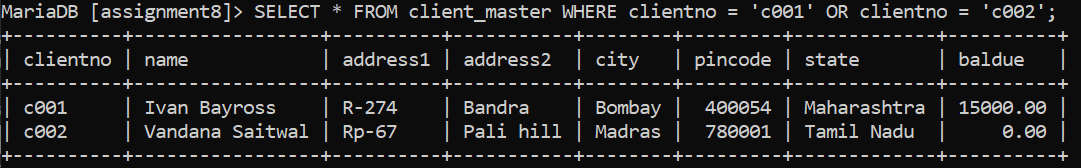
**d. List all clients whose BalDue is greater than value 10000.**

****

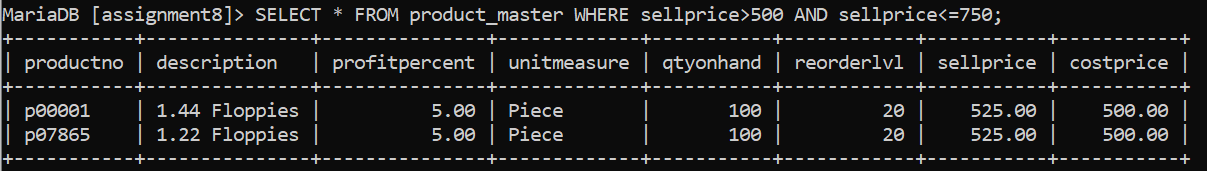
**e. List all information from the Sales\_Order table for orders placed in the month of June.**

****

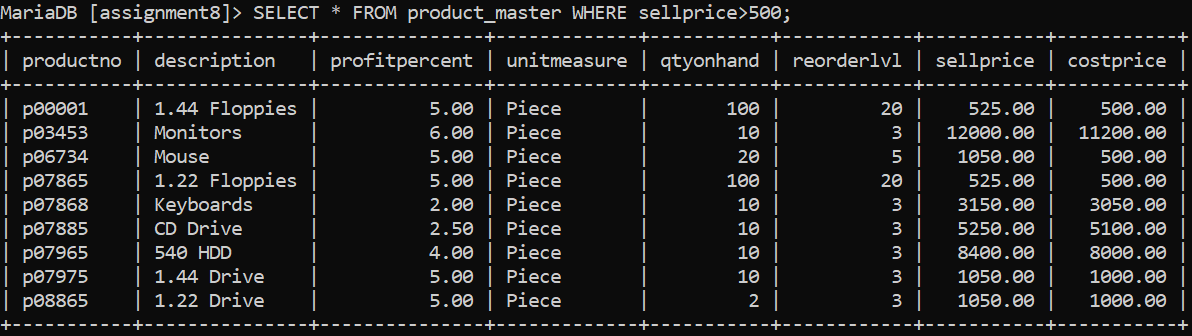
**f. List the order information for ClientNo ‘C00001’ and ‘C00002’.**

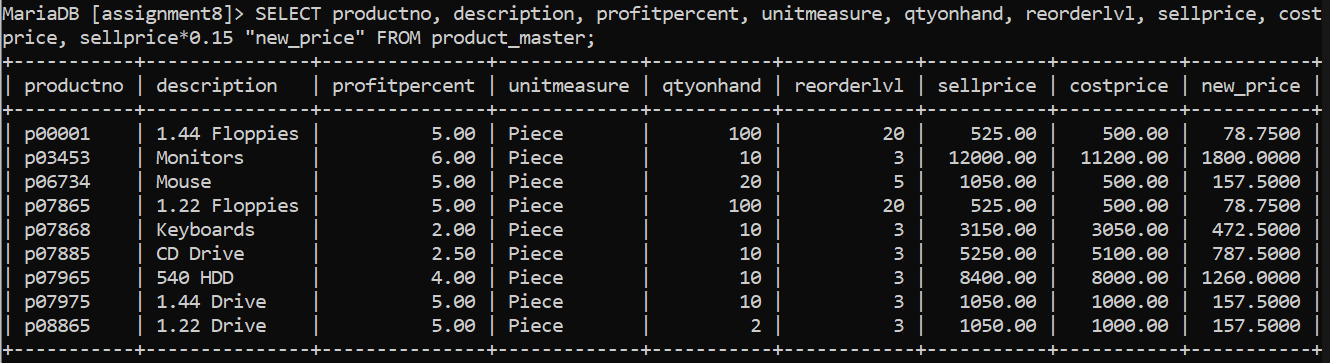
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**g. List products whose selling price is greater than 500 and less than or equal to 750.**

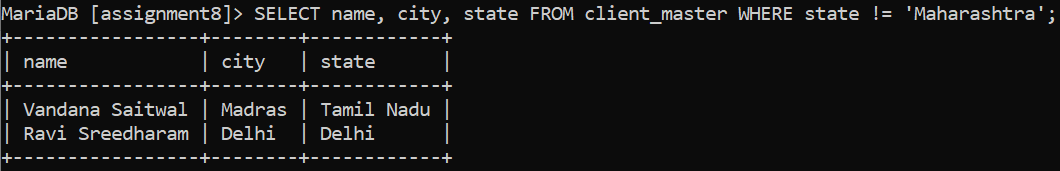
****

**h. List products whose selling price is more than 500. Calculate a new selling price as, original selling price\*.15. Rename the new column in the output of the above query as new\_price.**

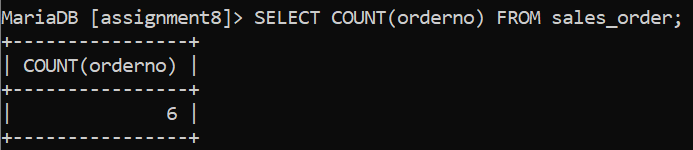
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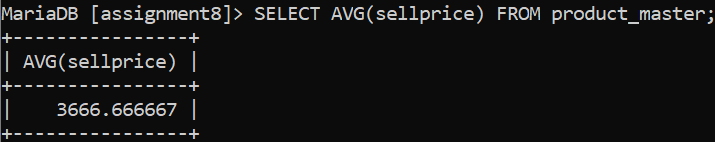
**i. List the names, city and state of clients who are not in the state of ‘Maharashtra’.**

****

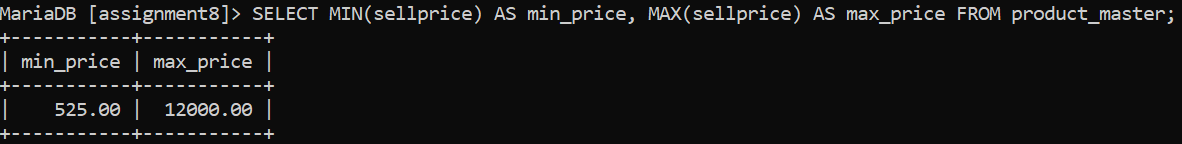
**j. Count the total Int of orders.**

****

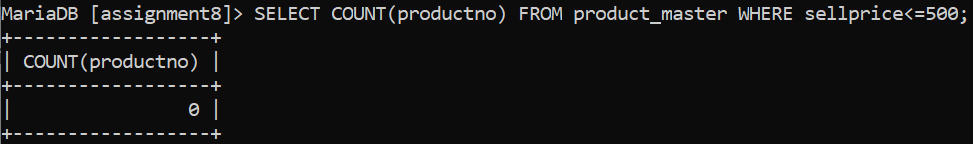
**k. Calculate the average price of all the products.**

****

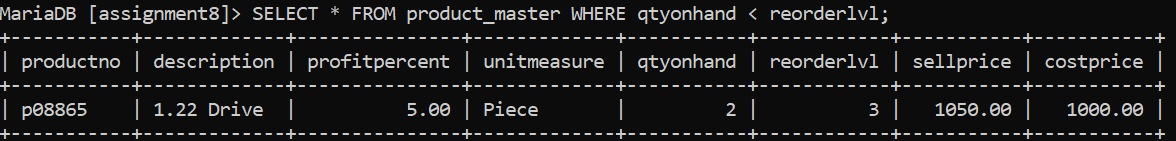
**l. Determine the maximum and minimum product prices. Rename the output as max\_price and min\_price respectively.**

****

**m. Count the Int of products having price less than or equal to 500.**

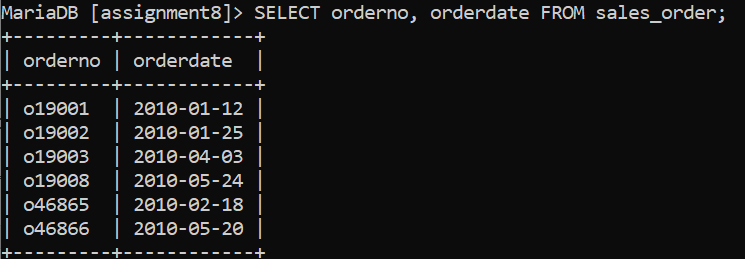
****

**n. List all the products whose QtyOnHand is less than recorder level.**

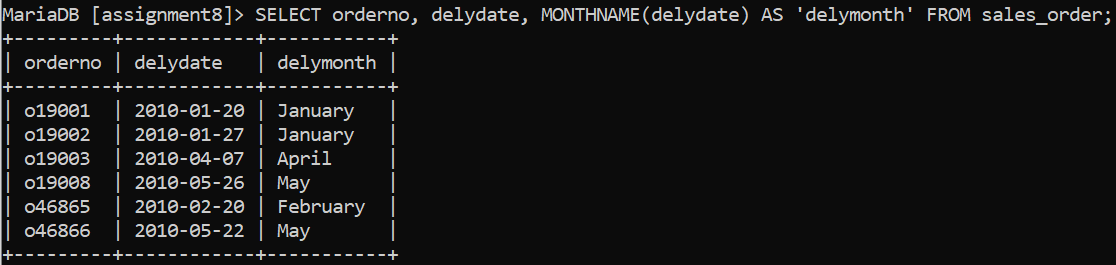
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**ii) Exercise on Date Manipulation:**

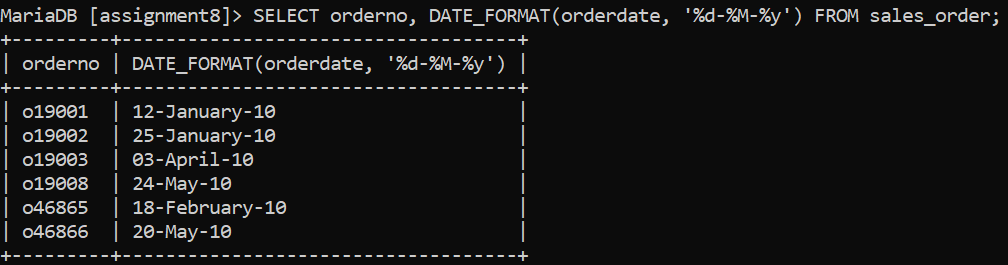
**a. List the order Int and day on which clients placed their order.**

****

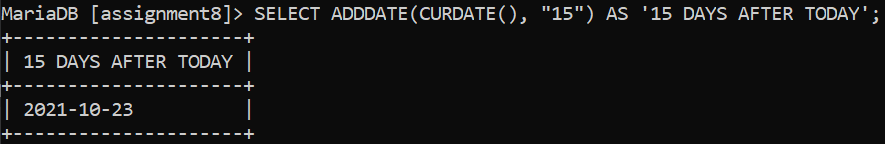
**b. List the month (in alphabets) and date when the orders must be delivered.**

****

**c. List the OrderDate in the format ‘DD-Month-YY’. E.g. 12-February-02.**

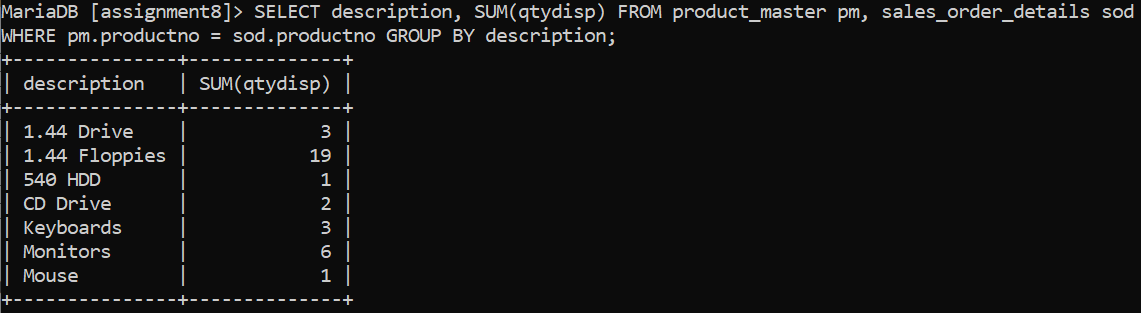
****

**d. List the date, 15 days after today’s date.**

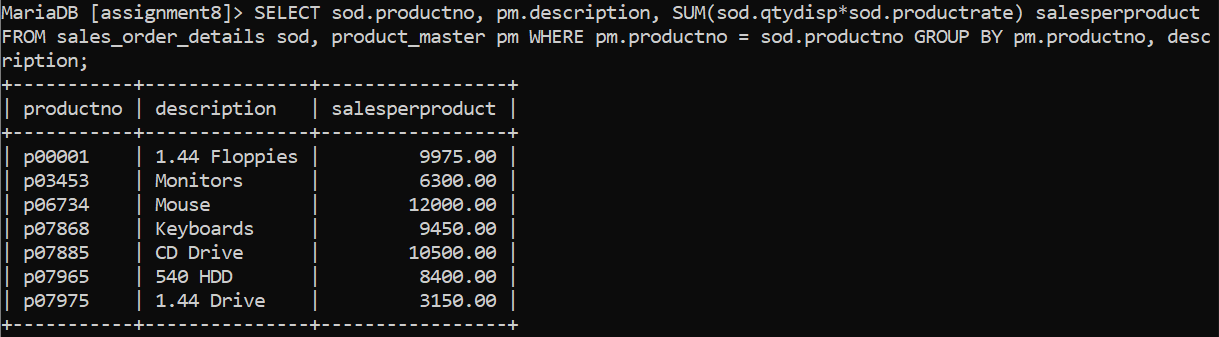
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**4. Exercises on using Having and Group By Clauses:**

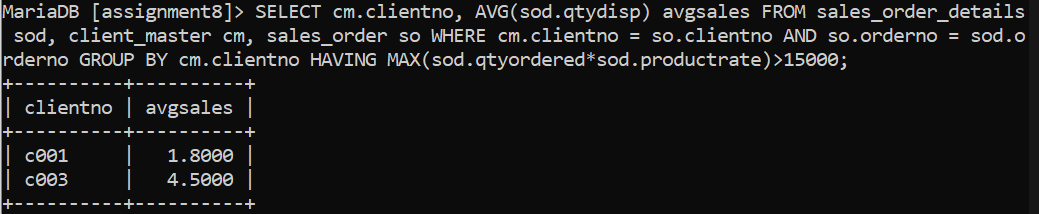
**a. Print the description and total qty sold for each product.**

****

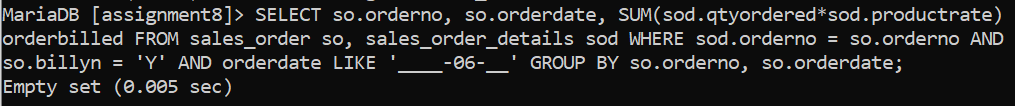
**b. Find the value of each product sold.**

****

**c. Calculate the average qty sold for each client that has a maximum order value of 15000.00.**

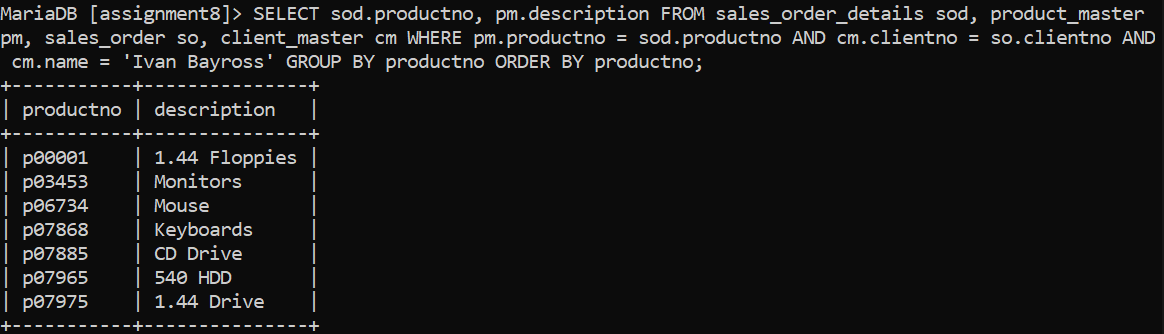
****

**d. Find out the total of all the billed orders for the month of June.**

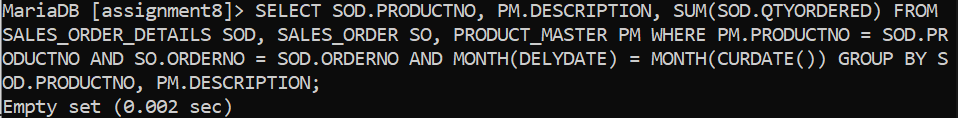
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**i) Exercise on Joins and Correction:**

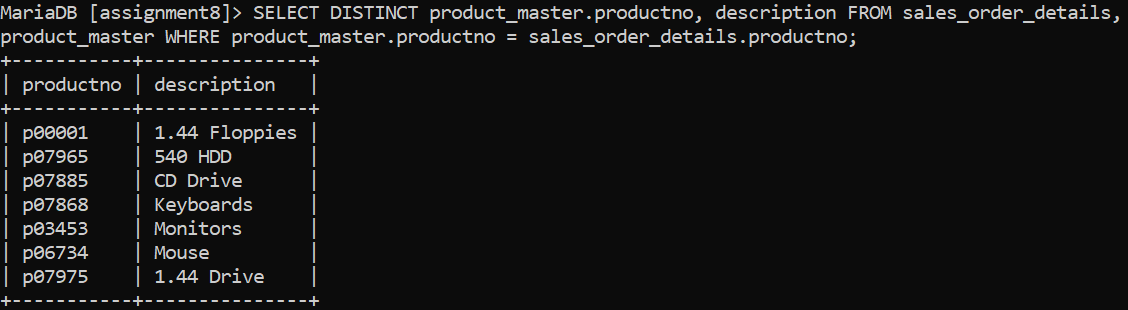
**a. Find out the products, which have been sold to ‘Ivan Bayross’.**

****

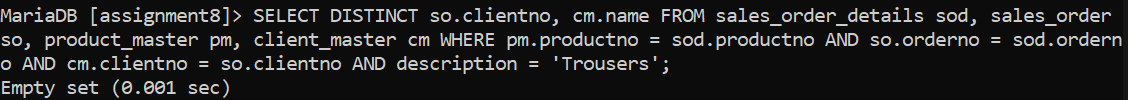
**b. Find out the products and their quantities that will have to be delivered in the current month.**

****

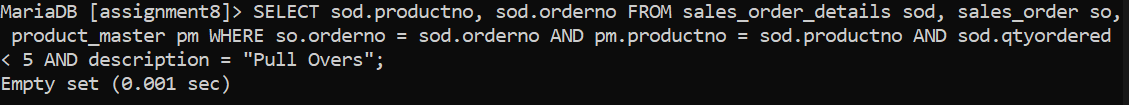
**c. List the ProductNo. and description of constantly sold (i.e., rapidly moving) products.**

****

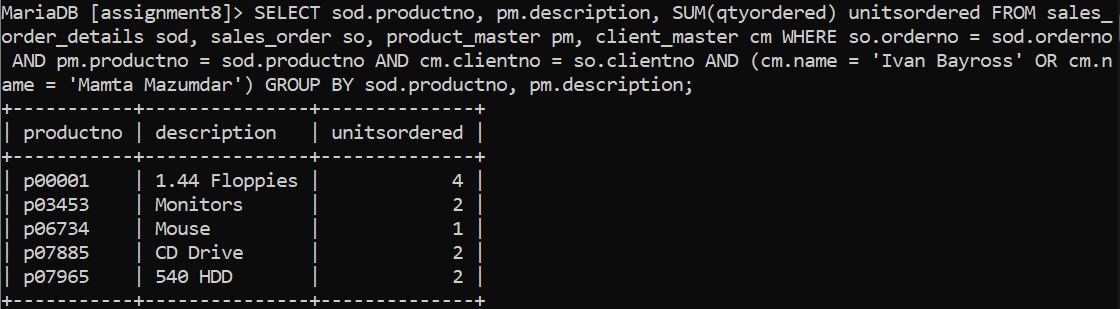
**d. Find the names of clients who have purchased ‘Trousers’.**

****

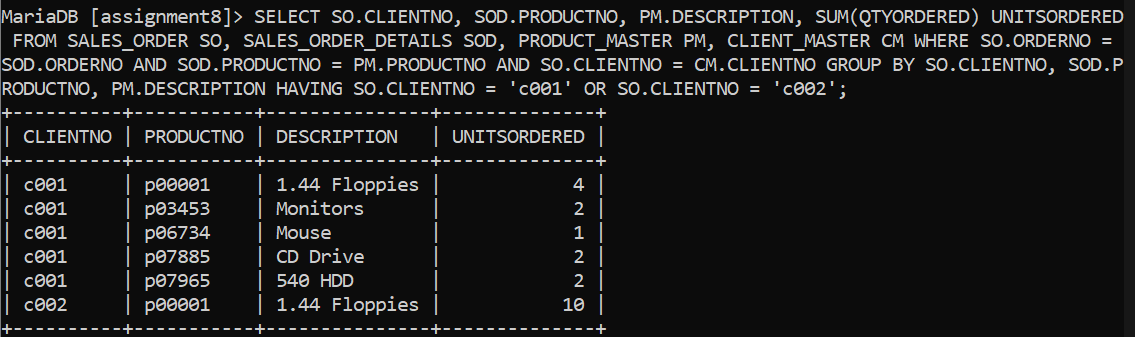
**e. List the products and orders from customers who have ordered less than 5 units of ‘Pull Overs’.**

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**f. Find the products and their quantities for the orders placed by ‘Ivan Bayross’ and ‘Mamta Muzumdar’**

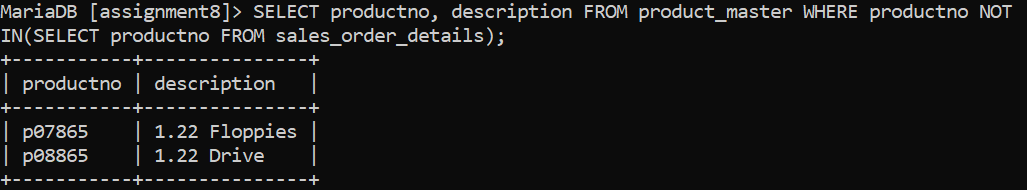
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**g. Find the products and their quantities for the orders placed by ClientNo ‘C00001’ and C00002’.**

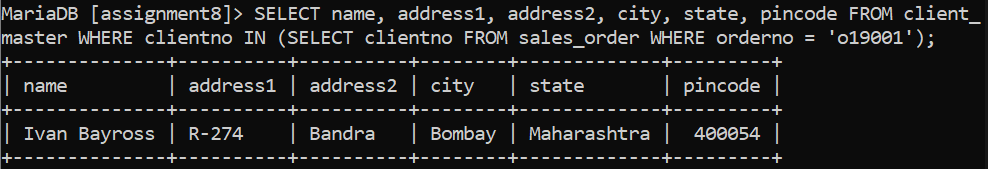
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**ii) Exercise on Sub-queries:**

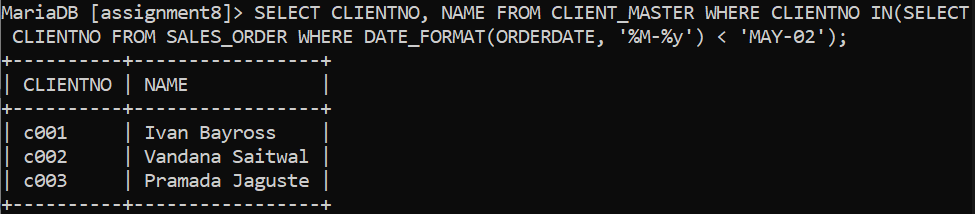
**a. Find the ProductNo and description of non-moving products i.e. products not being sold.**

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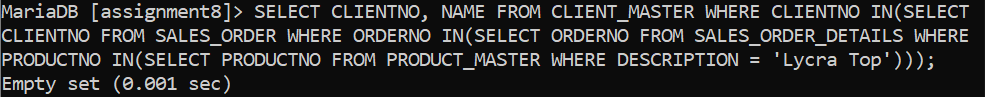
**b. List the customer Name, Address1, Address2, City and PinCode for the client who has placed order no ‘O19001’.**

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**c. List the client names that have placed orders before the month of May, 02.**

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**d. List if the product ‘Lycra Top’ has been ordered by any client and print the Client\_no, Name to whom it was sold.**

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**e. List the names of clients who have placed orders worth Rs. 10000 or more.**

