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**Sap ID: - 500085043**

**EXPERIMENT-1**

**Title: To understand DDL and DML commands**

**Objective:** To understand the concept of designing issue related to the database with creating, populating the tables. Also familiarize students with different ways of manipulation in database.

1. **Create the tables described below:**

**Table name: CLIENT\_MASTER Description:** used to store client information.

|  |  |  |
| --- | --- | --- |
| **Column name** | **data type** | **Size** |
| CLIENTNO | Varchar | 6 |
| NAME | Varchar | 20 |
| ADDRESS 1 | Varchar | 30 |
| ADDRESS 2 | Varchar | 30 |
| CITY | Varchar | 15 |
| PINCODE | Integer |  |
| STATE | Varchar | 15 |
| BALDUE | Number | 10,2 |

**Table Name: PRODUCT\_MASTER Description:** used to store product information

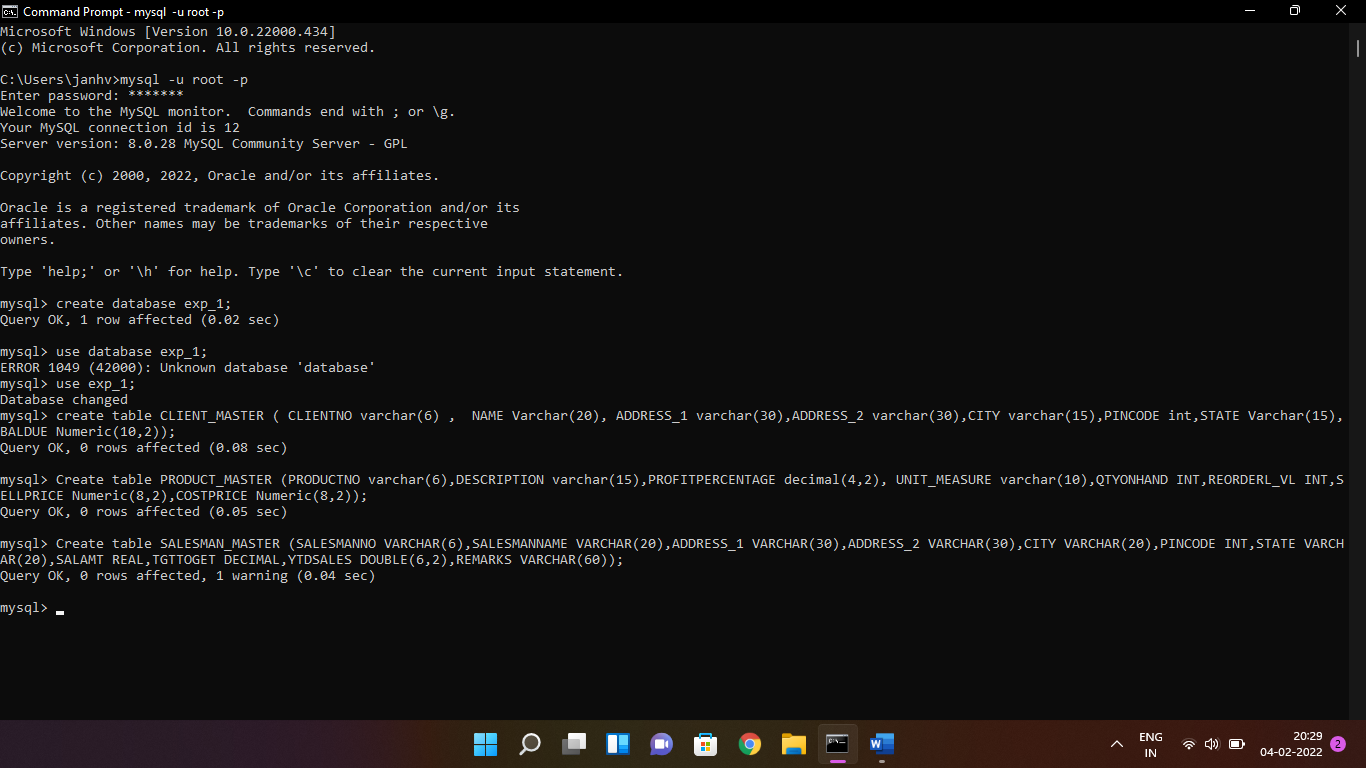
|  |  |  |
| --- | --- | --- |
| **Column name** | **data type** | **Size** |
| PRODUCTNO | Varchar | 6 |
| DESCRIPTION | Varchar | 15 |
| PROFITPERCENT | Decimal | 4,2 |
| UNIT MEASURE | Varchar | 10 |
| QTYONHAND | Integer |  |
| REORDERL VL | Integer |  |
| SELLPRICE | Number | 8,2 |
| COSTPRICE | Number | 8,2 |

**Table Name: SALESMAN\_MASTER**

**Description:** Used to store salesman information working for the company.

|  |  |  |
| --- | --- | --- |
| **Column name** | **data type** | **Size** |
| SALESMANNO | Varchar | 6 |
| SALESMANNAME | Varchar | 20 |
| ADDRESS 1 | Varchar | 30 |
| ADDRESS 2 | Varchar | 30 |
| CITY | Varchar | 20 |
| PINCODE | Integer |  |
| STATE | Varchar | 20 |
| SALAMT | Real |  |
| TGTTOGET | Decimal |  |
| YTDSALES | Double | 6,2 |
| REMARKS | Varchar | 60 |

*Created the table having these entities and same name.*

**

1. **Insert the following data into their respective tables:**
2. Data for **CLIENT\_MASTER** table:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Client no | Name | City | Pincode | State | BalDue |
| C00001 | Ivan bayross | Mumbai | 400054 | Maharashtra | 15000 |
| C00002 | Mamta muzumdar | Madras | 780001 | Tamil nadu | 0 |
| C00003 | Chhaya bankar | Mumbai | 400057 | Maharashtra | 5000 |
| C00004 | Ashwini joshi | Bangalore | 560001 | Karnataka | 0 |
| C00005 | Hansel colaco | Mumbai | 400060 | Maharashtra | 2000 |
| C00006 | Deepak sharma | Mangalore | 560050 | Karnataka | 0 |

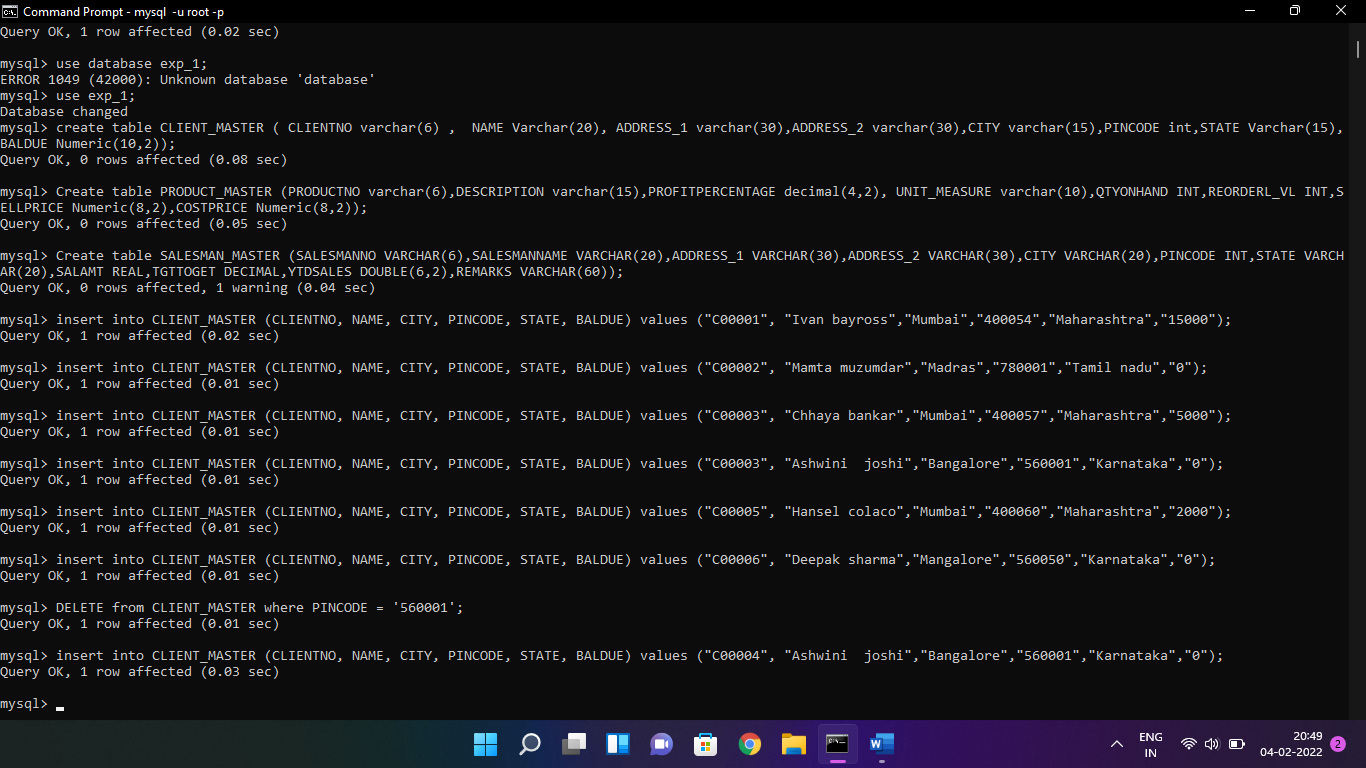
1. Data for **PRODUCT**\_**MASTER** table:

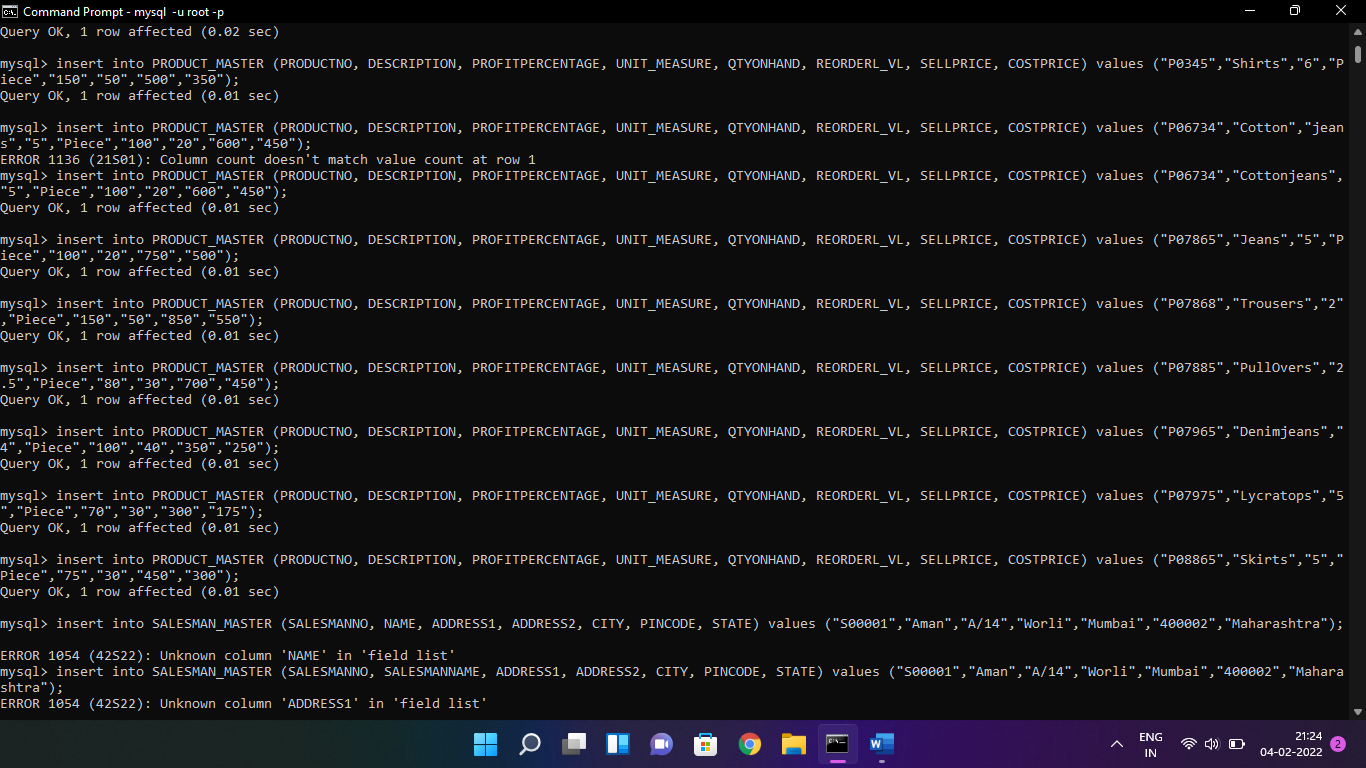
|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Product  No | Description | Profit percent | Unit measure | Quantity  On  hand | Recorder  Level | Sell  Price | Cost  Price |
| P00001 | T-Shirt | 5 | Piece | 200 | 50 | 350 | 250 |
| P0345 | Shirts | 6 | Piece | 150 | 50 | 500 | 350 |
| P06734 | Cotton jeans | 5 | Piece | 100 | 20 | 600 | 450 |
| P07865 | Jeans | 5 | Piece | 100 | 20 | 750 | 500 |
| P07868 | Trousers | 2 | Piece | 150 | 50 | 850 | 550 |
| P07885 | Pull Overs | 2.5 | Piece | 80 | 30 | 700 | 450 |
| P07965 | Denim jeans | 4 | Piece | 100 | 40 | 350 | 250 |
| P07975 | Lycra tops | 5 | Piece | 70 | 30 | 300 | 175 |
| P08865 | Skirts | 5 | Piece | 75 | 30 | 450 | 300 |

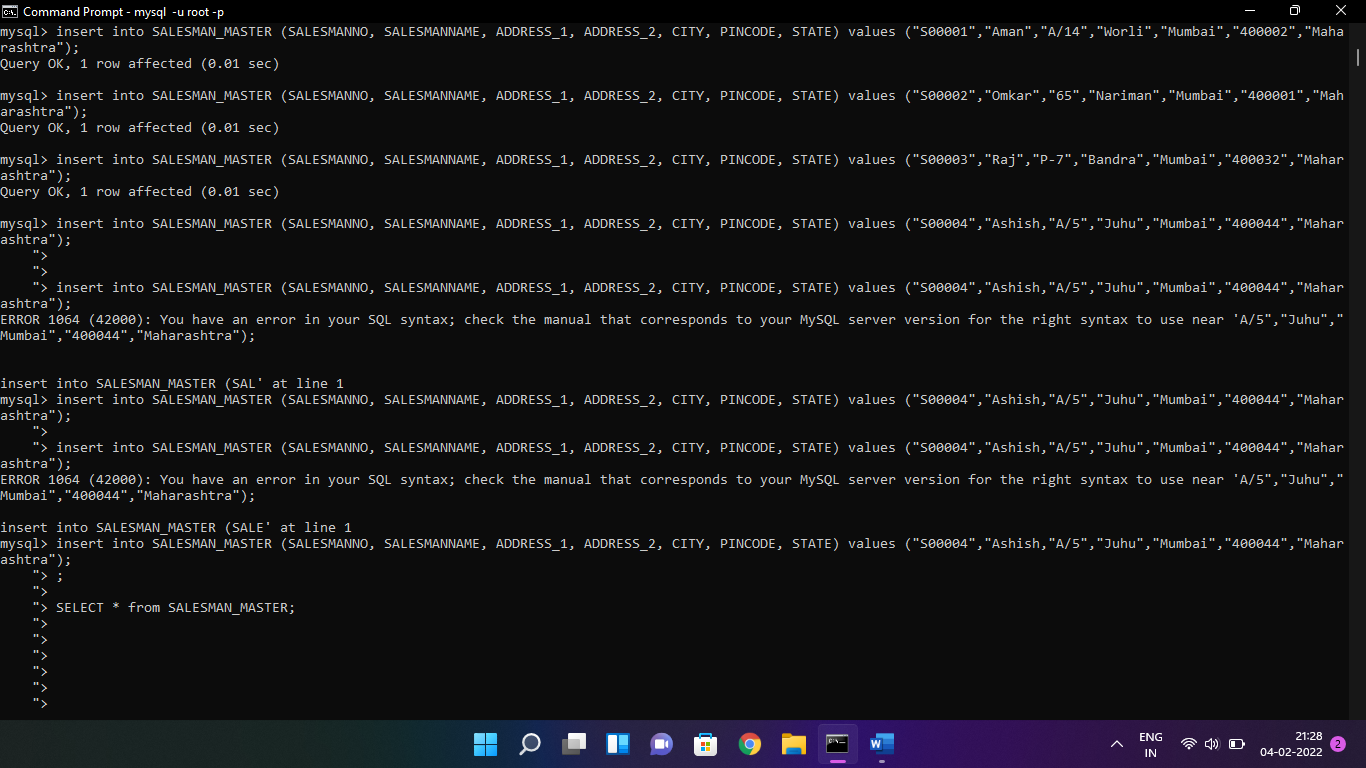
1. Data for **SALESMAN\_MASTER**  table:

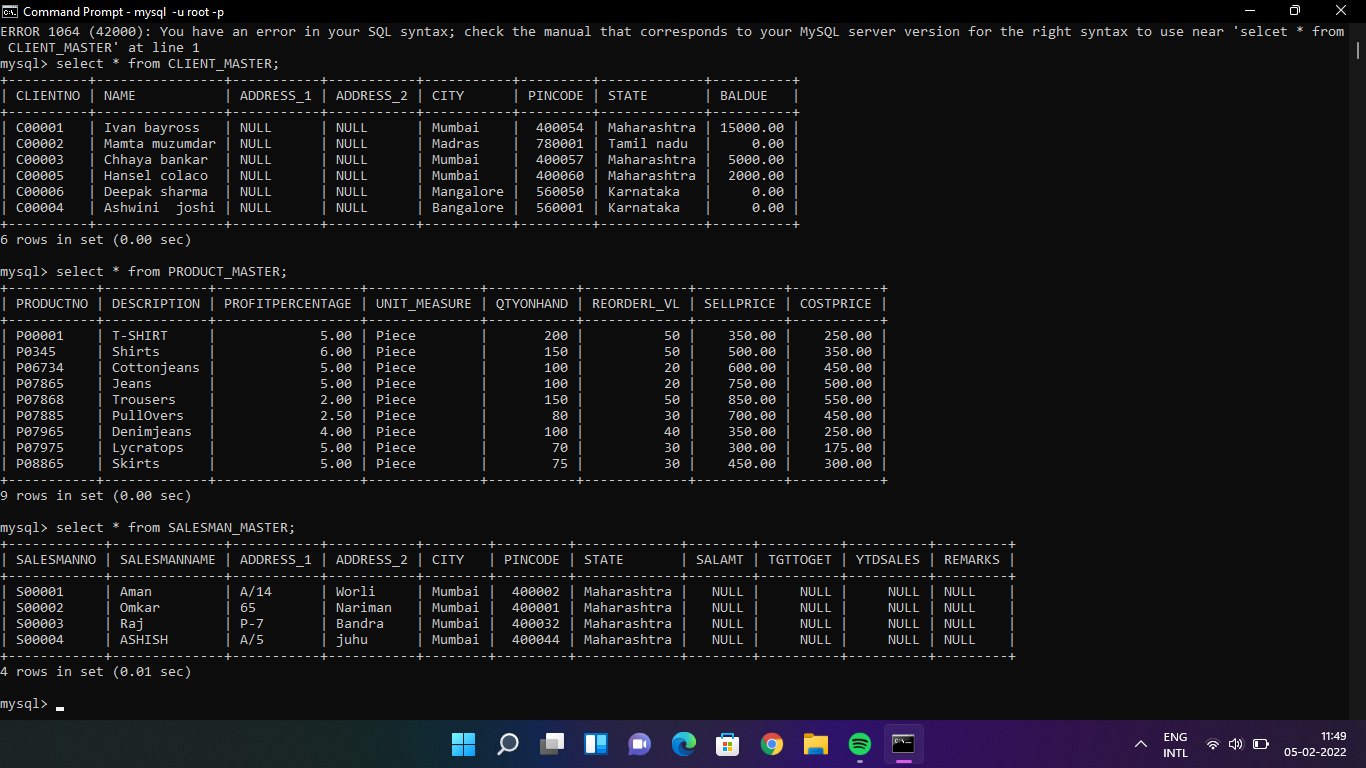
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Salesman No** | **Name** | **Address1** | **Address2** | **City** | **Pin Code** | **State** |
| S00001 | Aman | A/14 | Worli | Mumbai | 400002 | Maharashtra |
| S00002 | Omkar | 65 | Nariman | Mumbai | 400001 | Maharashtra |
| S00003 | Raj | P-7 | Bandra | Mumbai | 400032 | Maharashtra |
| S00004 | Ashish | A/5 | Juhu | Mumbai | 400044 | Maharashtra |

*Input the details of members in the table made above,*

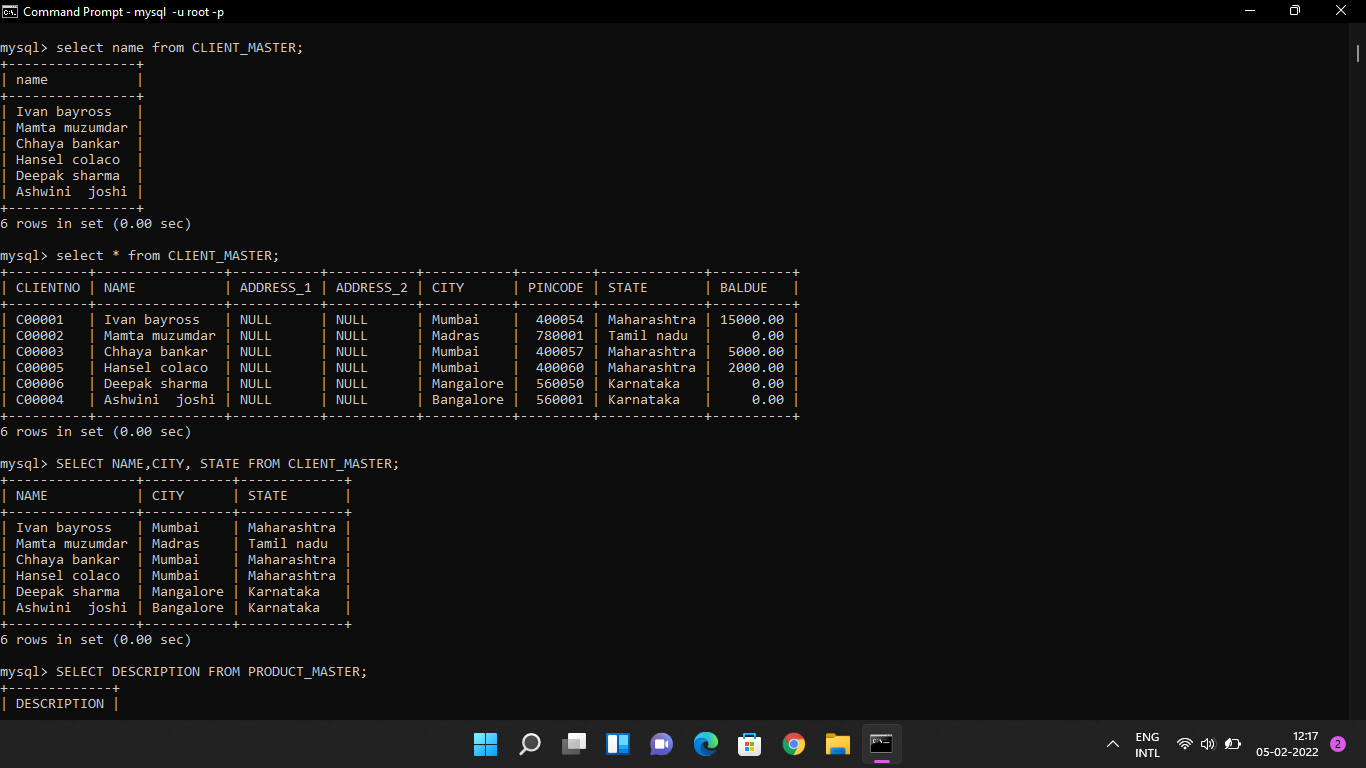
**

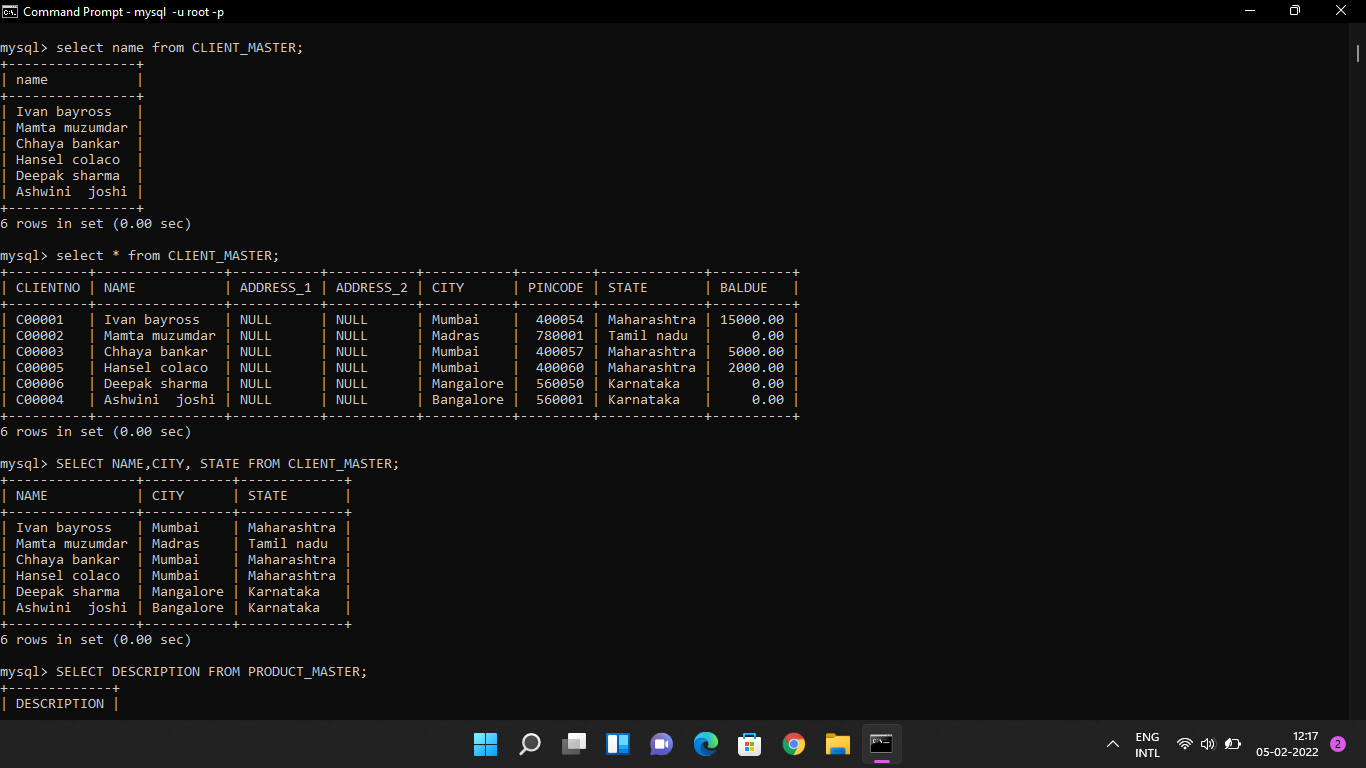
**

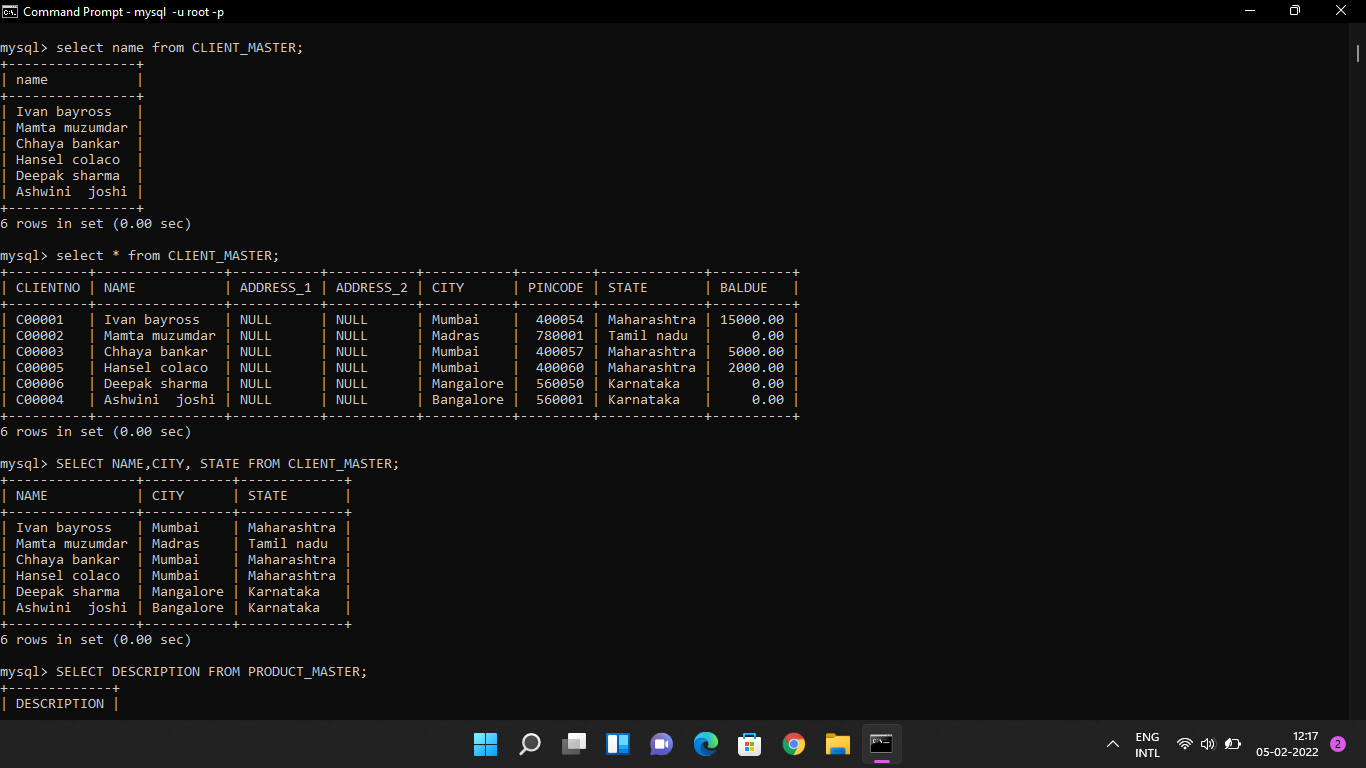
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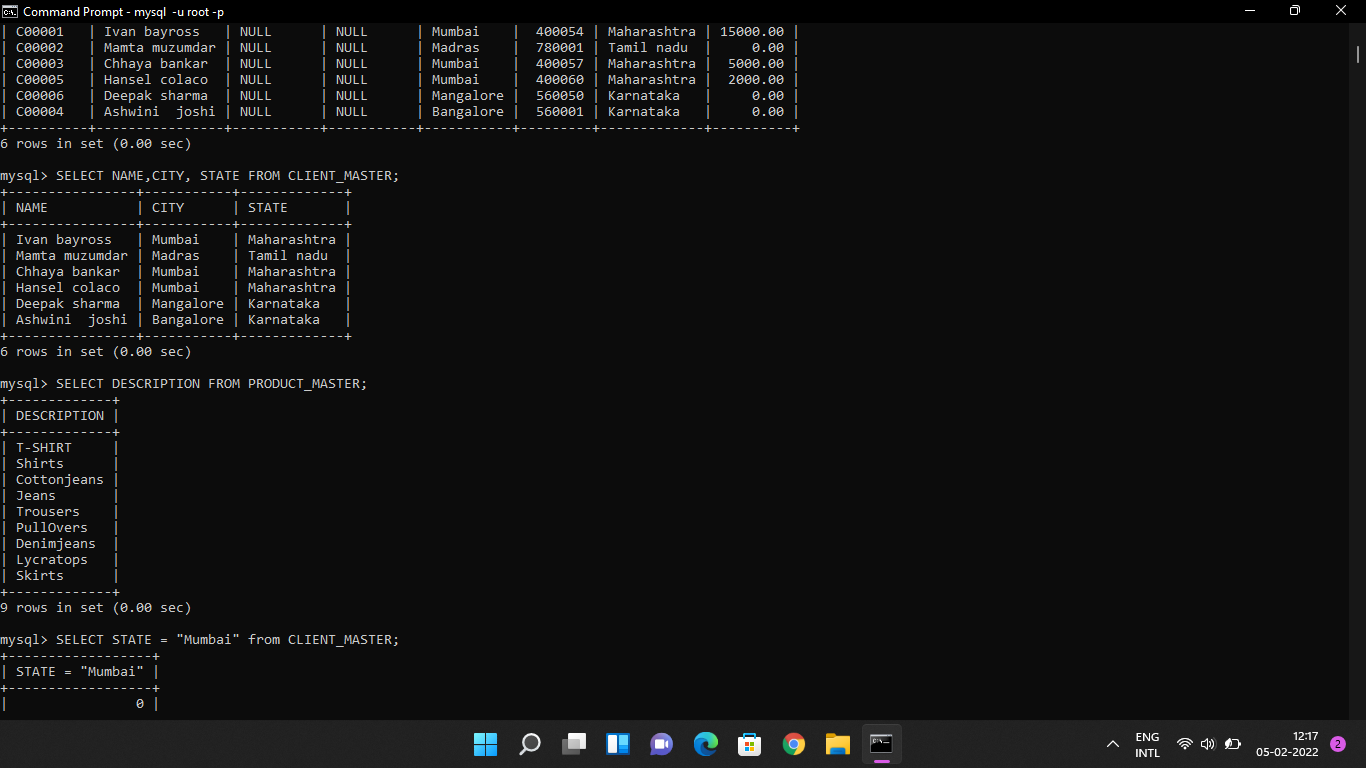
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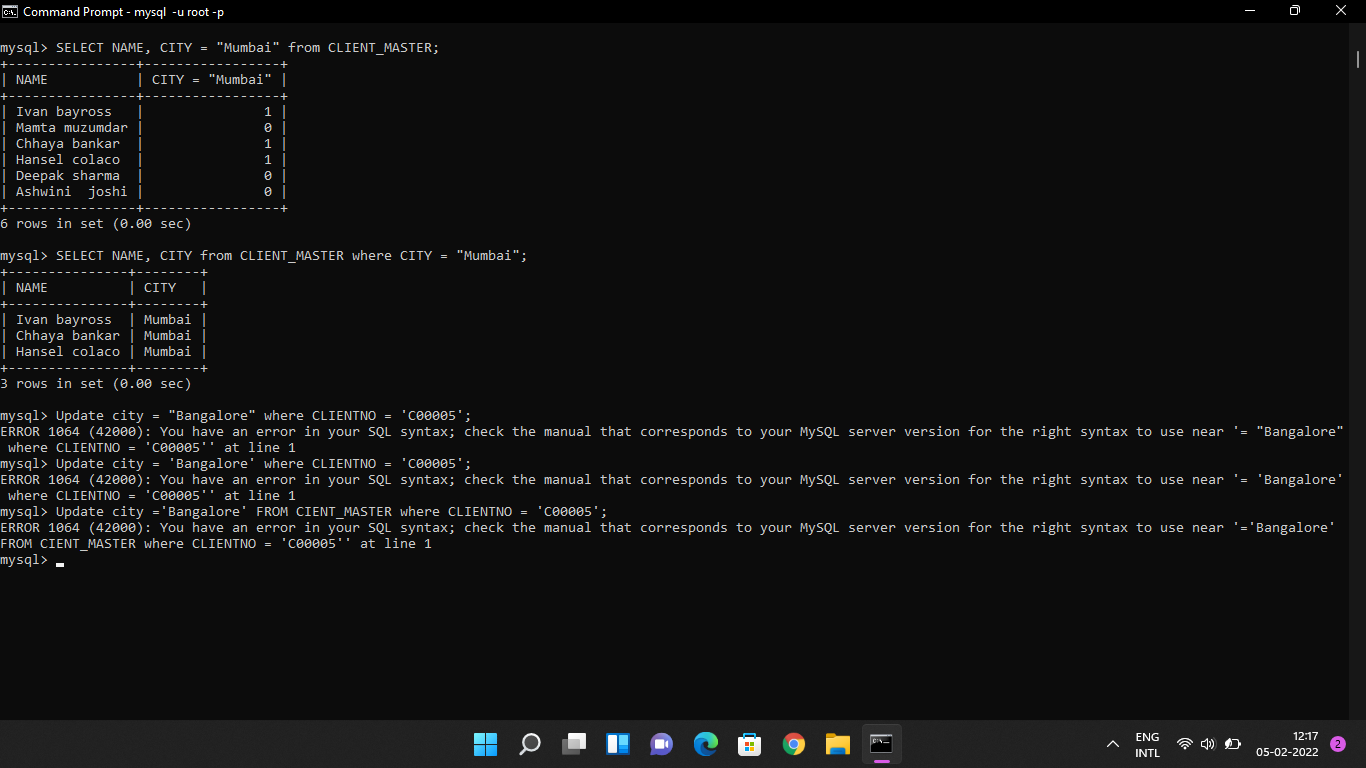
1. **Exercise on retrieving records from a table.**  
   a. Find out the names of all the clients.

**  
b. Retrieve the entire contents of the Client\_Master table.

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

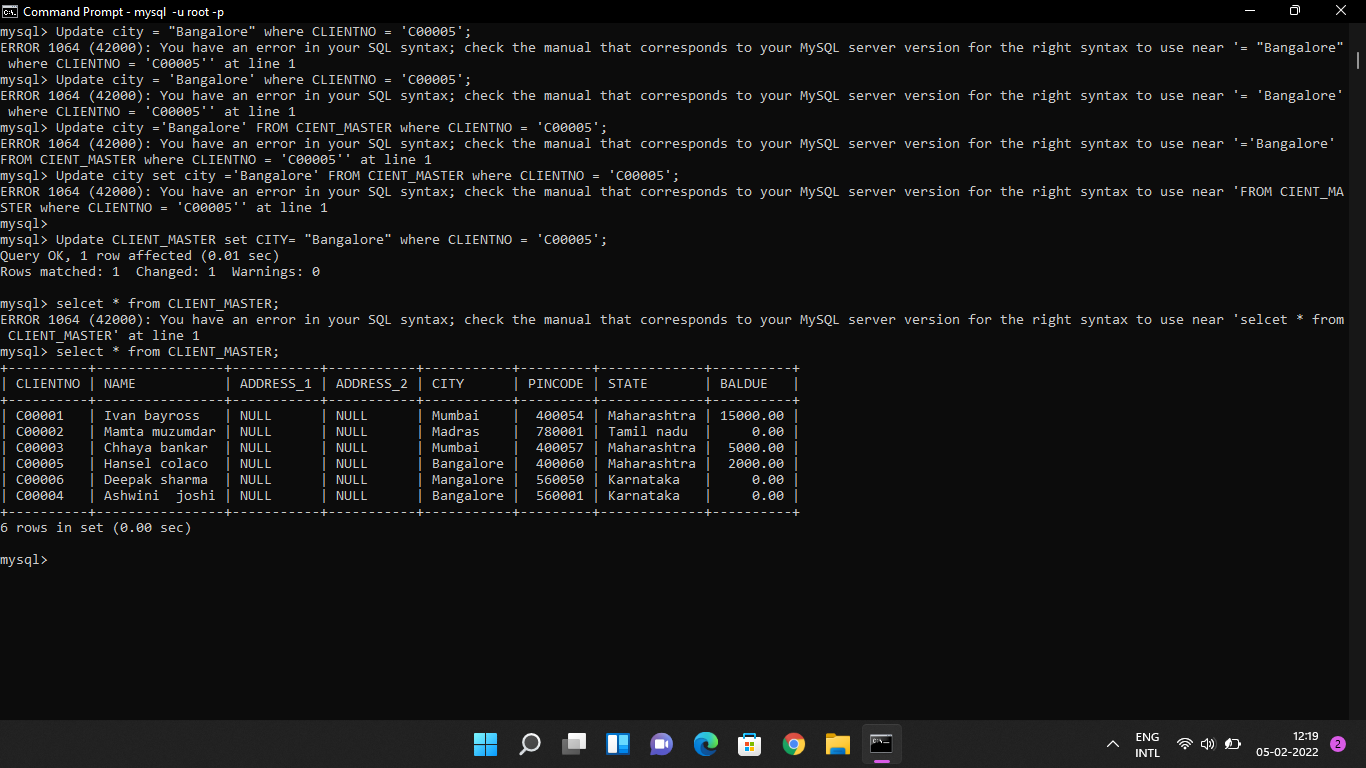
**  
d. List the various products available from the Product\_Master table.

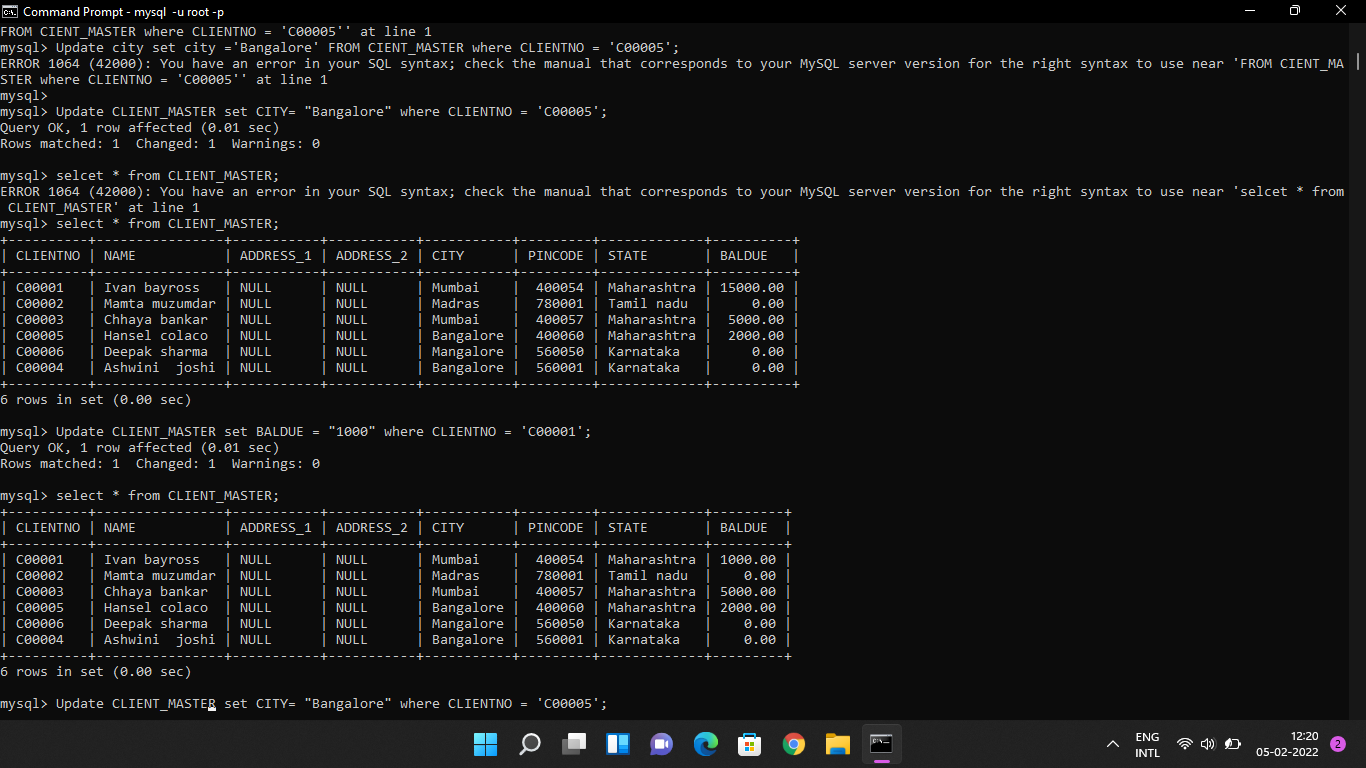
**  
e. List all the clients who are located in Mumbai.

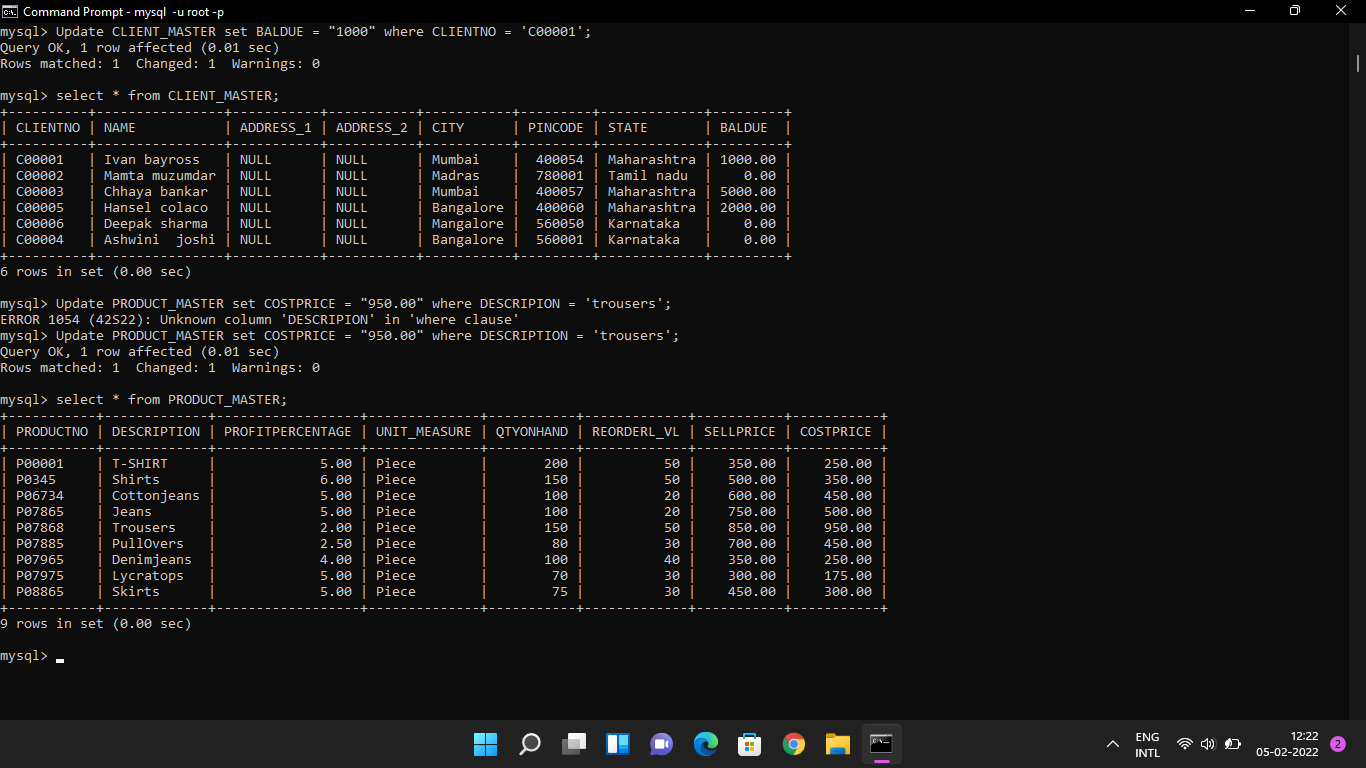
**  
f. Find the names of salesman who have a salary equal to Rs.3000.

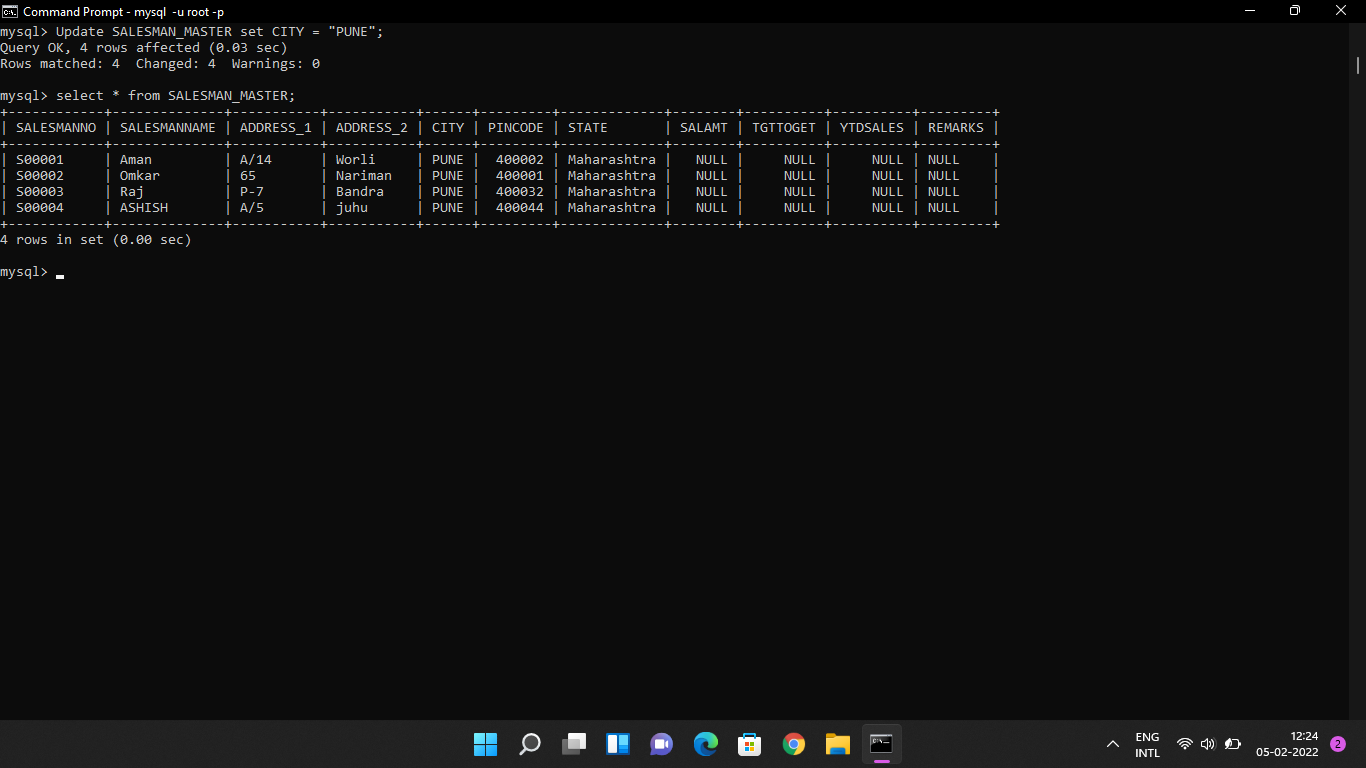
*It will be null as there is no amount which has been filled in Salary*.

1. **Exercise on updating records in a table**  
   a. Change the city of ClientNo ‘C00005’ to ‘Bangalore’.

**  
b. Change the BalDue of ClientNo ‘C00001’ to Rs.1000.

**  
c. Change the cost price of ‘Trousers’ to rs.950.00.

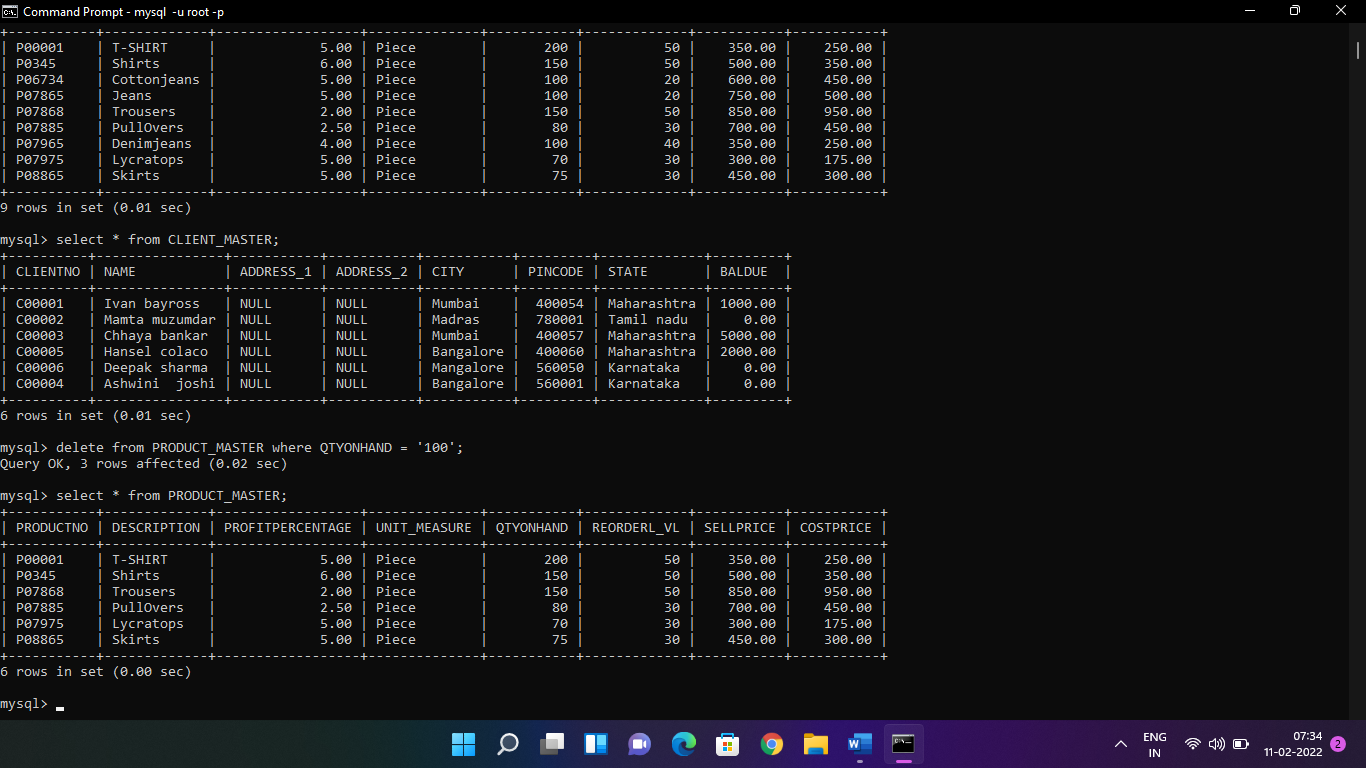
**  
d. Change the city of the salesman to Pune.

**

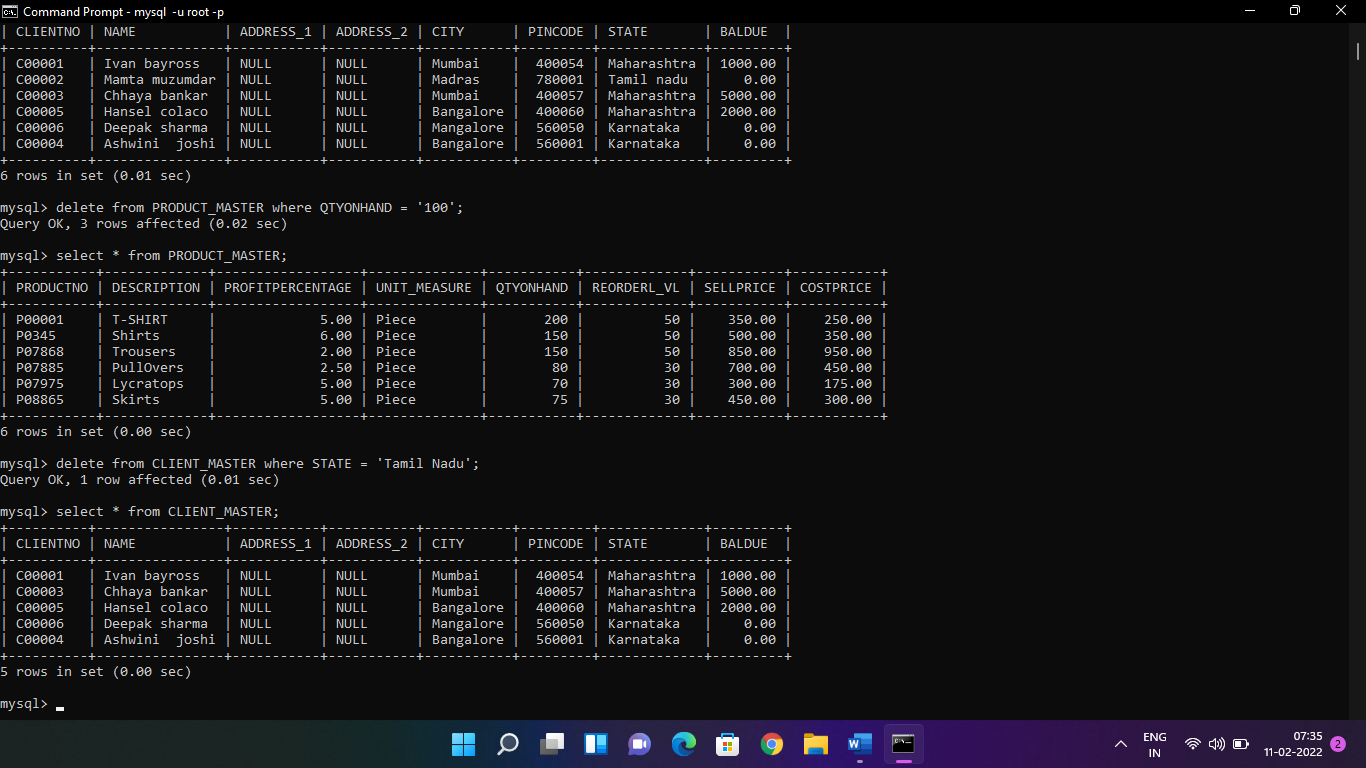
1. **Exercise on deleting records in a table**  
   a. Delete all salesman from the Salesman\_Master whose salaries are equal to Rs.3500.

*There is no amount to be filled in salary mentioned above, so it will gives error or null.*

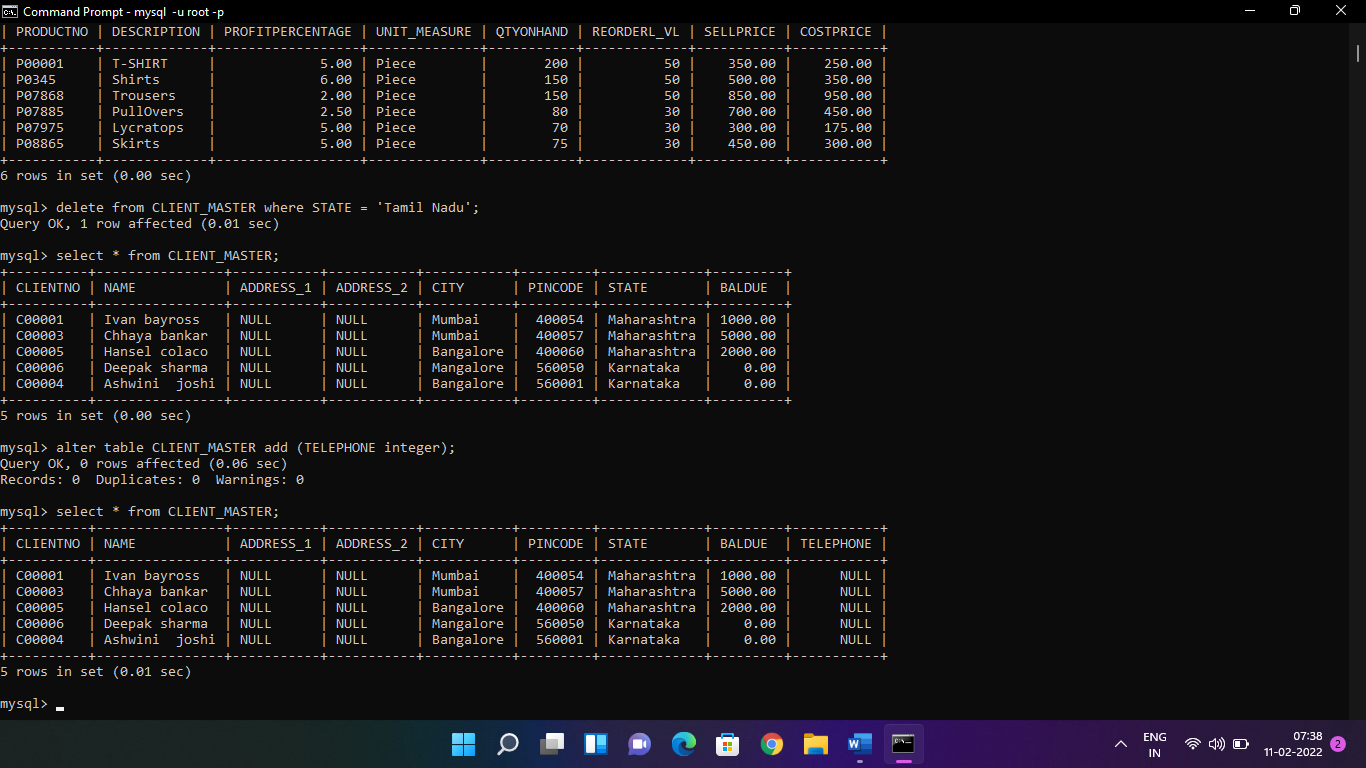
b. Delete all products from Product\_Master where the quantity on hand is equal to 100.

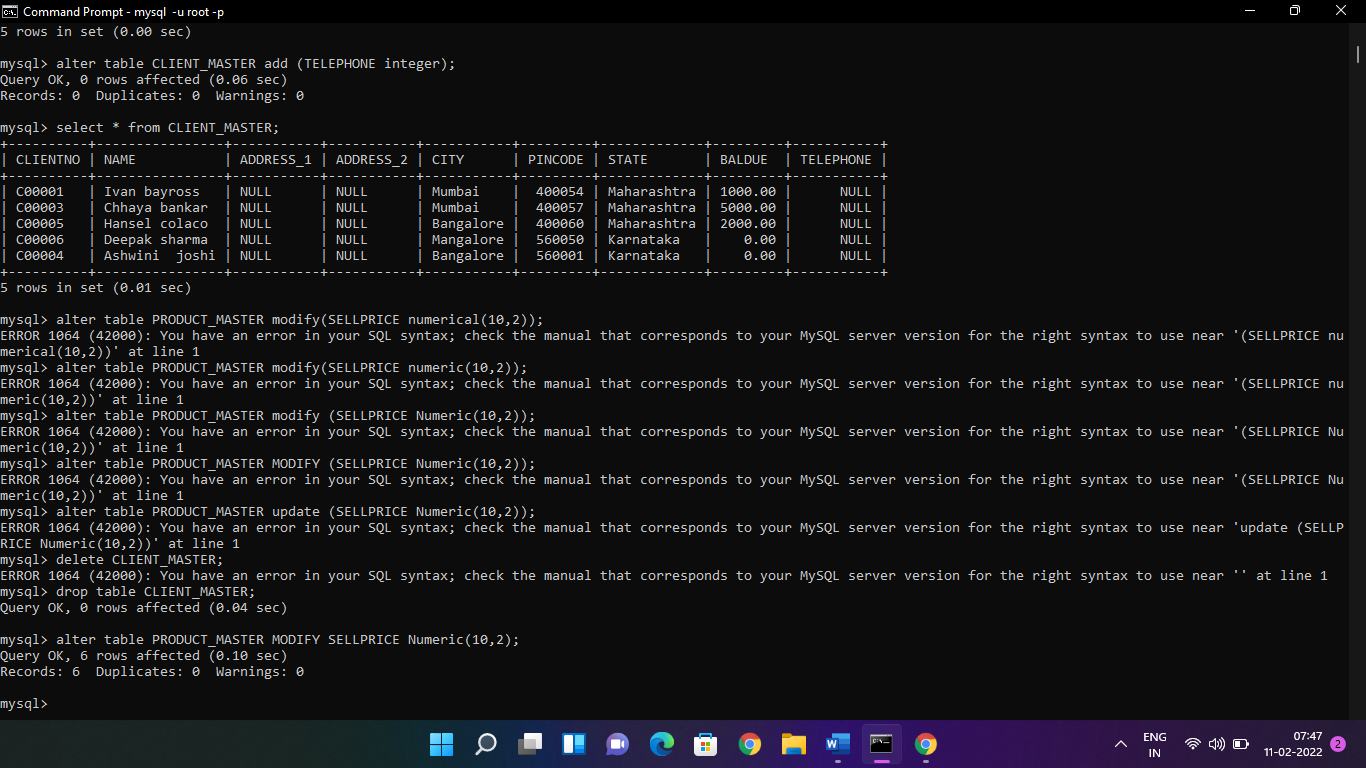


c. Delete from Client\_Master where the column state holds the value ‘Tamil Nadu’.

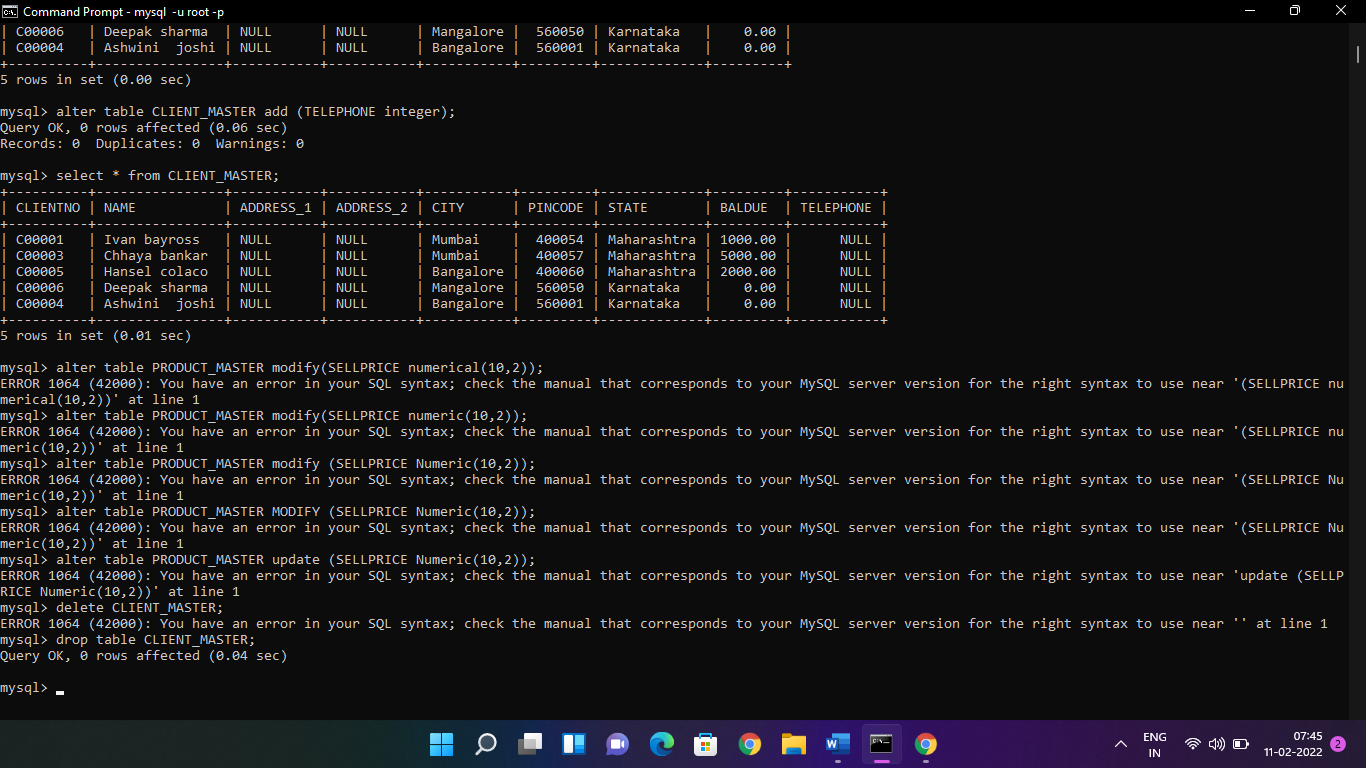


1. **Exercise on altering the table structure**  
   a. Add a column called ‘Telephone’ of data type integer to the Client\_Master table.

  
b. Change the size off SellPrice column in Product \_Master to 10, 2.



1. **Exercise on deleting the table structure along with the data**  
   a. Destroy the table Client\_Master along with its data.



1. **Exercise on renaming the table**  
   a. Change the name of the Salesman\_Master to sman\_mast.

