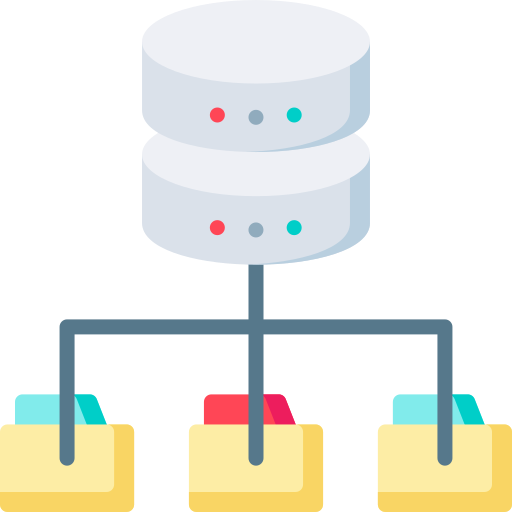


LAB REPORT

**CSE2004 – DATABASE MANAGEMENT SYSTEMS**

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**(B.Tech. COMPUTER SCIENCE AND ENGINEERING)**

**FALL SEMESTER 2021-22**

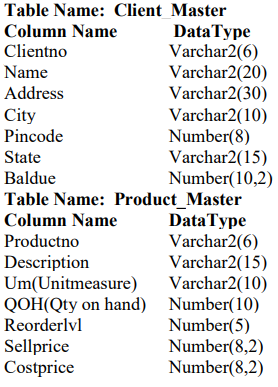
|  |  |
| --- | --- |
| **Name:** | PRASOON SONI |
| **Reg. No:** | 20BCE2960 |
| **Slot:** | L57+L58 |
| **Faculty Name:** | **ANBARASI M MA’AM** |

**VIT – A Place to Learn; A Chance to Grow**

**ASSIGNMENT – 1**

**QUESTION – 1**

**Create the tables described below:**



**QUERY**

*-- creating Client\_Master table*

CREATE TABLE Client\_Master (

    clientno VARCHAR2(6),

    name VARCHAR2(20),

    address VARCHAR2(30),

    city VARCHAR2(10),

    pincode NUMBER(8),

    state VARCHAR2(15),

    baldue NUMBER(10, 2)

);

*-- creating Product\_Master table*

CREATE TABLE Product\_Master (

    productno VARCHAR(6),

    description VARCHAR(15),

    um VARCHAR2(10),

    QOH NUMBER(10),

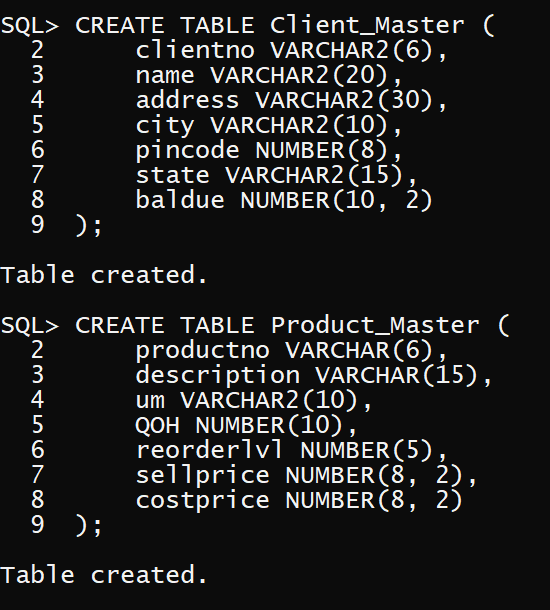
    reorderlvl NUMBER(5),

    sellprice NUMBER(8, 2),

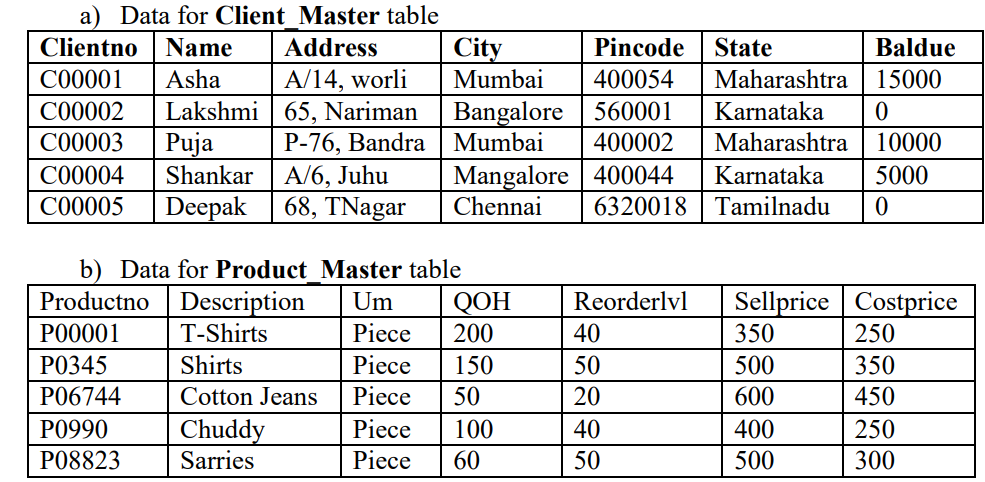
    costprice NUMBER(8, 2)

);

**RESULT**



**QUESTION – 2**

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

**QUERY**

*-- a. Inserting in Client Master*

INSERT INTO Client\_Master VALUES('C00001','Asha','A/14, worli','Mumbai',400054,'Maharashtra',15000);

INSERT INTO Client\_Master VALUES('C00002','Lakshmi','65, Nariman','Bangalore',560001,'Karnataka',0);

INSERT INTO Client\_Master VALUES('C00003','Puja','P-76, Bandra','Mumbai',400002,'Maharashtra',10000);

INSERT INTO Client\_Master VALUES('C00004','Shankar','A/6, Juhu','Mangalore',400044,'Karnataka',5000);

INSERT INTO Client\_Master VALUES('C00005','Deepak','68, TNagar','Chennai',6320018,'Tamilnadu',0);

*-- b. Inserting in Product Master*

INSERT INTO Product\_Master VALUES('P00001','T-Shirts','Piece',200,40,350,250);

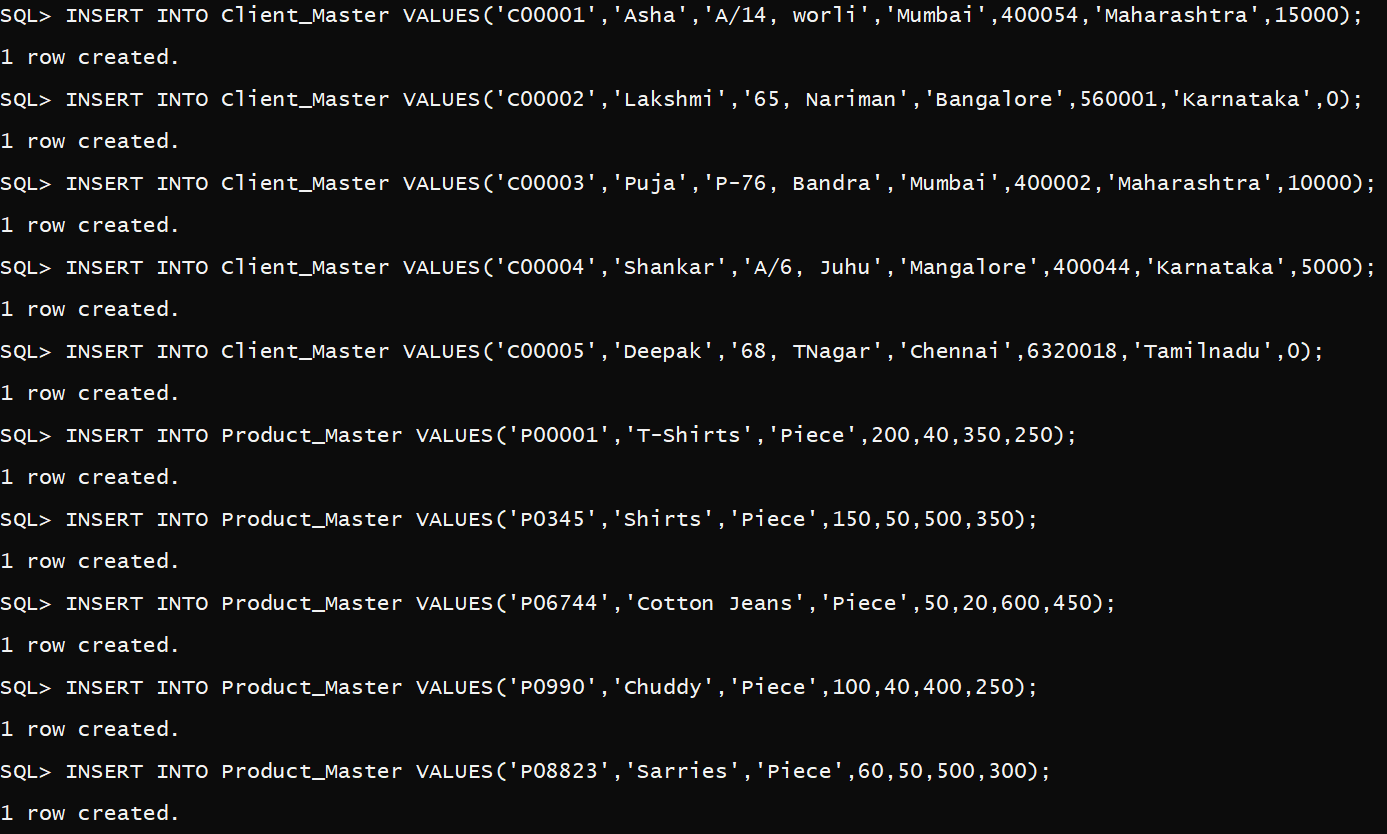
INSERT INTO Product\_Master VALUES('P0345','Shirts','Piece',150,50,500,350);

INSERT INTO Product\_Master VALUES('P06744','Cotton Jeans','Piece',50,20,600,450);

INSERT INTO Product\_Master VALUES('P0990','Chuddy','Piece',100,40,400,250);

INSERT INTO Product\_Master VALUES('P08823','Sarries','Piece',60,50,500,300);

**RESULT**

****

**QUESTION – 3**

**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.

**QUERY**

*-- a. Find out the names of all the clients*

SELECT name FROM Client\_Master;

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

SELECT \* FROM Client\_Master;

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

SELECT name, city, state FROM Client\_Master;

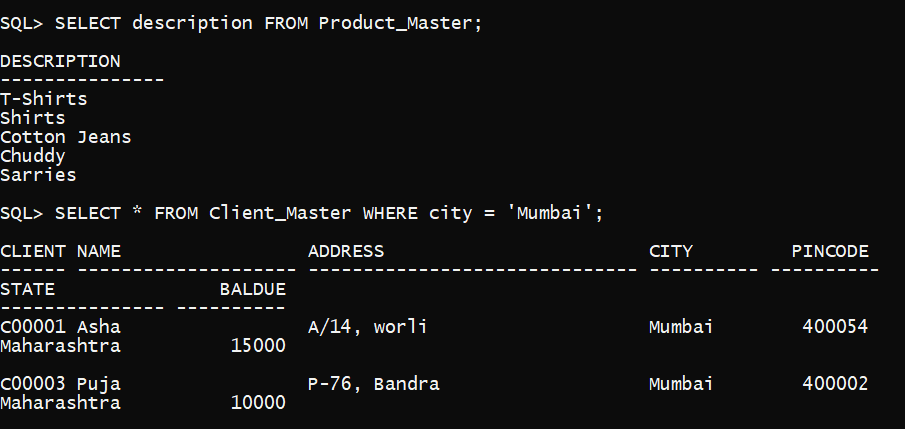
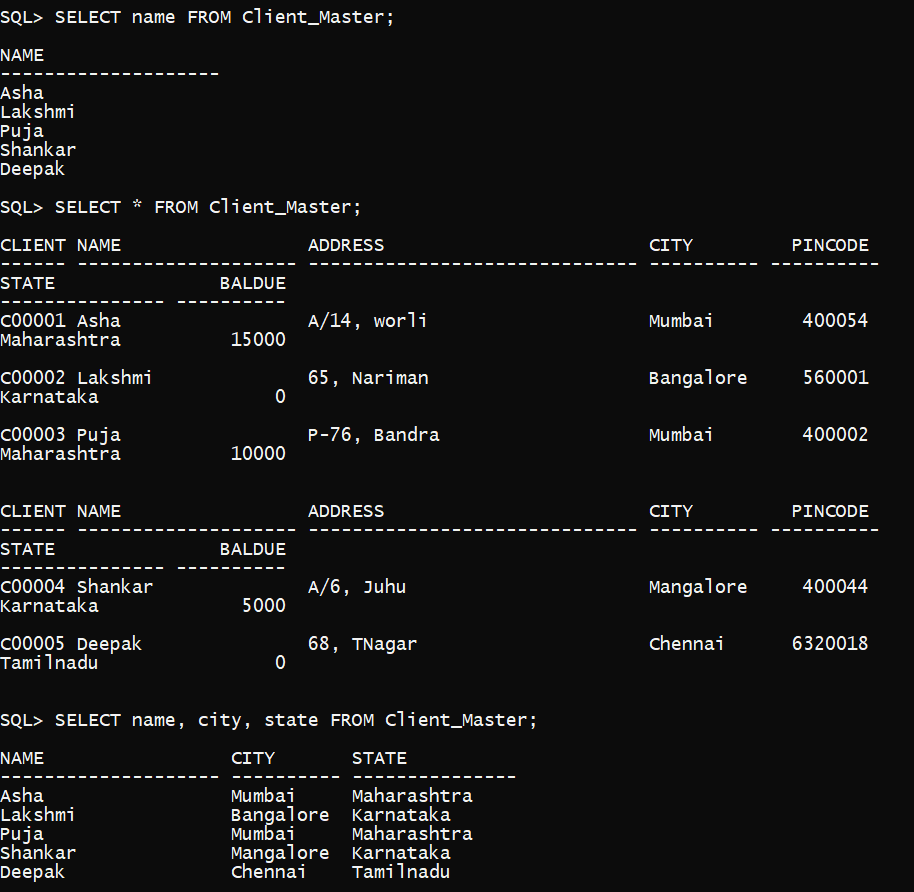
*-- d. List the various products available from the Product\_Master table.*

SELECT description FROM Product\_Master;

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

SELECT \* FROM Client\_Master WHERE city = 'Mumbai';

**RESULT**



**QUESTION – 4**

**Updating records in a table**

a) Change the City of Clientno ‘C00001’ to ‘Chennai’

b) Change the Baldue of Clientno ‘C00005’ to Rs.1000

c) Change the cost price of ‘shirts’ to Rs. 400

d) Change the QOH of the ‘T-shirts’ to 150

**QUERY**

*-- a. Change the City of Clientno ‘C00001’ to ‘Chennai’*

UPDATE Client\_Master SET city = 'Chennai' WHERE clientno = 'C00001';

*-- b. Change the Baldue of Clientno ‘C00005’ to Rs.1000*

UPDATE Client\_Master SET baldue = 1000 WHERE clientno = 'C00005';

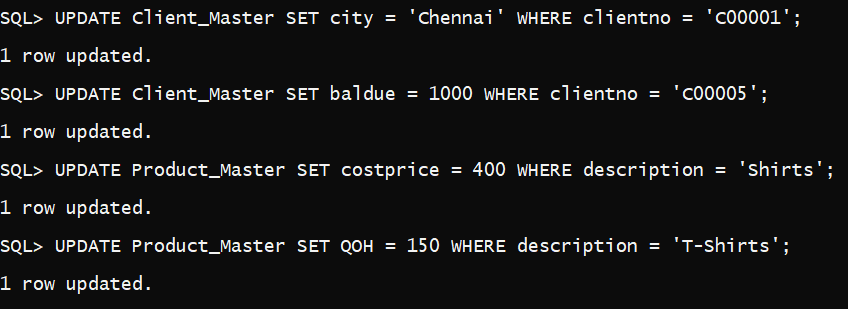
*-- c. Change the cost price of ‘shirts’ to Rs. 400*

UPDATE Product\_Master SET costprice = 400 WHERE description = 'Shirts';

*--d. Change the QOH of the ‘T-shirts’ to 150*

UPDATE Product\_Master SET QOH = 150 WHERE description = 'T-Shirts';

**RESULT**

****

**QUESTION – 5**

**Deleting records in a table**

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

b) Delete from Client\_Master where the column state holds the value “Tamilnadu”

c) Delete all clients from Client\_Master where the Baldue is equal to 0.

**QUERY**

*-- a. Delete all products from Product\_Master*

*--where the quantity on hand is equal to 100*

DELETE FROM Product\_Master WHERE QOH = 100;

*-- b. Delete from Client\_Master where the column*

*-- state holds the value “Tamilnadu”*

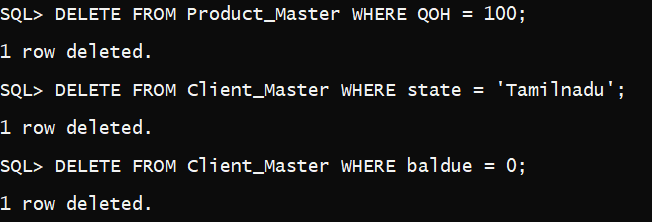
DELETE FROM Client\_Master WHERE state = 'Tamilnadu';

*-- c. Delete all clients from Client\_Master where the*

*--Baldue is equal to 0.*

DELETE FROM Client\_Master WHERE baldue = 0;

**RESULT**



**QUESTION – 6**

**Altering the table structure**

a) Add a column call Profitpercent of datatype number10,2 to the Product\_Master

b) Change the size of sellprice column in Product\_Master to 10,2

c) Change the name of the column UM to UnitMeasure in Product\_Master

d) Drop the column UnitMeasure.

e) Drop the table Client\_Master along with its data.

**QUERY**

*-- a. Add a column call Profitpercent of datatype number10,2*

*-- to the Product\_Master*

ALTER TABLE Product\_Master ADD (profitpercent NUMBER(10, 2));

*-- b. Change the size of sellprice column in Product\_Master to 10,2*

ALTER TABLE Product\_Master MODIFY (sellprice NUMBER(10, 2));

*-- c.  Change the name of the column UM to UnitMeasure in Product\_Master*

ALTER TABLE Product\_Master RENAME COLUMN um TO UnitMeasure;

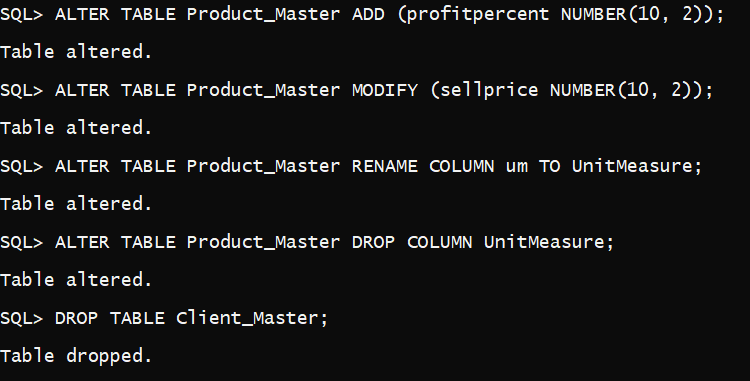
*-- d. Drop the column UnitMeasure.*

ALTER TABLE Product\_Master DROP COLUMN UnitMeasure;

*-- e. Drop the table Client\_Master along with its data*

DROP TABLE Client\_Master;

**RESULT**

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