**Institute of Computer Technology**

**B. Tech. Computer Science and Engineering**

**Semester: III**

**Sub: Database Management System**

**Course Code: 2CSE301**

**Practical Number:1**

**Objective:**

*To create database and insert records in the tables.*

* Scenario: Mohan who is a Computer Engineer seeking to start Computer Parts & Accessories Shop. They are planning to build Website and Application for which they met with IT Professionals and gave their requirements to develop the same. Now based on information gathered, IT Company is initiating to create Database.Method using a third variable:

**Exercise:**

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

**Code :**

CREATE DATABASE DBMS\_ICT;

USE DBMS\_ICT;

**Output :**



1. **Create table client\_master.**

**Code :**

CREATE TABLE client\_master (

Client\_no VARCHAR(6),

Name VARCHAR(20),

City VARCHAR(15),

Pincode NUMERIC(8),

State VARCHAR(15),

Bal\_due NUMERIC(10,2)

);

**Output :**



1. **Create table product\_master.**

**Code :**

CREATE TABLE product\_master (

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)

);

**Output :**



1. **Create table salesman\_master.**

**Code :**

CREATE TABLE salesman\_master (

S\_no VARCHAR(6),

S\_name VARCHAR(20),

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)

);

**Output :**

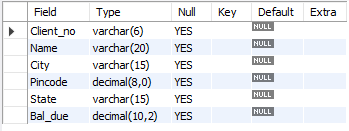


1. **Describe structure for client\_master table.**

**Code :**

DESCRIBE client\_master;

**Output :**

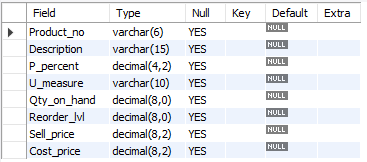


1. **Describe structure for product\_master table.**

**Code :**

DESCRIBE product\_master;

**Output :**

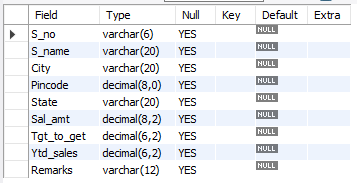


1. **Describe structure for salesman\_master table.**

**Code :**

DESCRIBE salesman\_master;

**Output :**



1. **Insert records in client\_master table.**

**Code :**

INSERT INTO client\_master (Client\_no, Name, City, Pincode, State, Bal\_due)

VALUES

('C001', 'Ivan', 'Bombay', 400054, 'Maharashtra', 15000),

('C002', 'Vandana', 'Madras', 780001, 'Tamil Nadu', 0),

('C003', 'Pramada', 'Bombay', 400057, 'Maharashtra', 5000),

('C004', 'Basu', 'Bombay', 400056, 'Maharashtra', 0),

('C005', 'Ravi', 'Delhi', 100001, 'Gujarat', 2000),

('C006', 'Rukmani', 'Bombay', 400050, 'Maharashtra', 0);

**Output :**



1. **Insert records in product\_master table.**

**Code :**

INSERT INTO product\_master (Product\_no, Description, P\_percent, U\_measure, Qty\_on\_hand, Reorder\_lvl, Sell\_price, Cost\_price)

VALUES

('P001', 'Floppies', 5, 'Piece', 100, 20, 525, 500),

('P002', 'Monitor', 6, 'Piece', 10, 3, 12000, 11280),

('P003', 'Mouse', 5, 'Piece', 20, 5, 1050, 1000),

('P004', 'Floppies', 5, 'Piece', 100, 20, 525, 500),

('P005', 'Keyboards', 2, 'Piece', 10, 3, 3150, 3050),

('P006', 'Cd Drive', 2.5, 'Piece', 10, 3, 5250, 5100),

('P007', '1.44 Drive', 4, 'Piece', 10, 3, 8400, 8000);

**Output :**



1. **Insert records in salesman\_master table.**

**Code :**

INSERT INTO salesman\_master (S\_no, S\_name, City, Pincode, State, Sal\_amt, Tgt\_to\_get, Ytd\_sales, Remarks)

VALUES

('S001', 'Kiran', 'Bombay', 400002, 'Maharashtra', 3000, 100, 50, 'Excellent'),

('S002', 'Manish', 'Bombay', 400001, 'Maharashtra', 3000, 200, 100, 'Good'),

('S003', 'Ravi', 'Bombay', 400032, 'Maharashtra', 3000, 200, 100, 'Average'),

('S004', 'Ashish', 'Bombay', 400044, 'Maharashtra', 3500, 200, 150, 'Good');

**Output :**

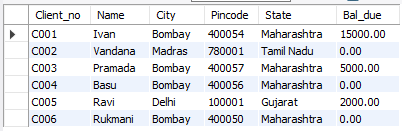


1. **Retrieve all records for client\_master table.**

**Code :**

SELECT \* FROM client\_master;

**Output :**

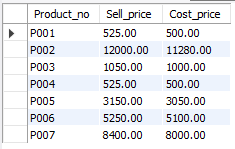


1. **Retrieve product\_no, sell\_price and cost\_price for product\_master table.**

**Code :**

SELECT Product\_no, Sell\_price, Cost\_price FROM product\_master;

**Output :**

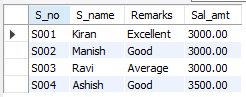


1. **Retrieve s\_no,s\_name, remarks and sal\_amt for salesman\_master table.**

**Code :**

SELECT S\_no, S\_name, Remarks, Sal\_amt FROM salesman\_master;

**Output :**



1. **Display all tables for your database.**

**Code :**

SHOW TABLES;

**Output :**

