**CREATING DATABASE:**

* CREATE DATABASE my\_database;

**CREATING TABLES:**

1. CLIENTMASTER :
   * CREATE TABLE my\_database.CLIENTMASTER( CLIENTNO VARCHAR(6), NAME VARCHAR(20), ADDRESS1 VARCHAR(30), ADDRESS2 VARCHAR(30), CITY VARCHAR(15), PINCODE INT(8), STATE VARCHAR(15), BALDUE INT(10));
2. PRODUCTMASTER :
   * CREATE TABLE PRODUCTMASTER(

PRODUCTNO VARCHAR(6),

DESCRIPTION VARCHAR(15),

PROFITPERCENT DECIMAL(4,2),

UNITMASTER VARCHAR(10),

QTYONHAND INT(8),

REORDERLVL INT(8),

SELLPRICE DECIMAL(8,2),

COSTPRICE DECIMAL(8,2));

1. SALESMANMASTER :
   * CREATE TABLE SALESMANMASTER(

SALESMANNO VARCHAR(6),

SALESMANNAME VARCHAR(20),

ADDRESS1 VARCHAR(30),

ADDRESS2 VARCHAR(30),

CITY VARCHAR(20),

PINCODE INT(8),

STATE VARCHAR(20),

SALAMT DECIMAL(8,2),

TGTTOGET DECIMAL(6,2),

YTDSALES DECIMAL(6,2),

REMARKS VARCHAR(60));

**INSERT QUERIES FOR CLIENTMASTER:**

* + INSERT INTO CLIENTMASTER(CLIENTNO, NAME, CITY, PINCODE,STATE,BALDUE) VALUES ('C00001','Rakesh Joshi','Mumbai','400054','Maharashtra' , '15000');
  + INSERT INTO CLIENTMASTER(CLIENTNO, NAME, CITY, PINCODE,STATE,BALDUE) VALUES ('C00002','Mayur Patel','Madras','780001','Tamilnadu' , '0');
  + INSERT INTO CLIENTMASTER(CLIENTNO, NAME, CITY, PINCODE,STATE,BALDUE) VALUES ('C00003','Ishita Mehta','Mumbai','400057','Maharashtra' , '5000');
  + INSERT INTO CLIENTMASTER(CLIENTNO, NAME, CITY, PINCODE,STATE,BALDUE) VALUES ('C00004','Amit Solanki','Bangalore','560001','Karnataka' , '0');
  + INSERT INTO CLIENTMASTER(CLIENTNO, NAME, CITY, PINCODE,STATE,BALDUE) VALUES ('C00005','Hiren Pandya','Mumbai','400060','Maharashtra' , '2000');
  + INSERT INTO CLIENTMASTER(CLIENTNO, NAME, CITY, PINCODE,STATE,BALDUE) VALUES ('C00006','Dipak Sharma','Mangalore','560050','Karnataka' , '0');

**INSERT QUERIES FOR PRODUCTMASTER:**

* INSERT INTO PRODUCTMASTER(PRODUCTNO , DESCRIPTION , PROFITPERCENT , UNITMASTER ,QTYONHAND ,REORDERLVL , SELLPRICE , COSTPRICE ) VALUES ('P00001','T-Shirts','5','Piece','200' , '50', '350' , '250');
* INSERT INTO PRODUCTMASTER(PRODUCTNO , DESCRIPTION , PROFITPERCENT , UNITMASTER ,QTYONHAND ,REORDERLVL , SELLPRICE , COSTPRICE ) VALUES ('P0345','Shirts','6','Piece','150' , '50', '500' , '350');
* INSERT INTO PRODUCTMASTER(PRODUCTNO , DESCRIPTION , PROFITPERCENT , UNITMASTER ,QTYONHAND ,REORDERLVL , SELLPRICE , COSTPRICE ) VALUES ('P06734','Cotton Jeans','5','Piece','100' , '20', '600' , '450');
* INSERT INTO PRODUCTMASTER(PRODUCTNO , DESCRIPTION , PROFITPERCENT , UNITMASTER ,QTYONHAND ,REORDERLVL , SELLPRICE , COSTPRICE ) VALUES ('P07865','Jeans','5','Piece','100' , '20', '750' , '500');
* INSERT INTO PRODUCTMASTER(PRODUCTNO , DESCRIPTION , PROFITPERCENT , UNITMASTER ,QTYONHAND ,REORDERLVL , SELLPRICE , COSTPRICE ) VALUES ('P07868','Trousers','2','Piece','150' , '50', '850' , '550');
* INSERT INTO PRODUCTMASTER(PRODUCTNO , DESCRIPTION , PROFITPERCENT , UNITMASTER ,QTYONHAND ,REORDERLVL , SELLPRICE , COSTPRICE ) VALUES ('P07885','Pull Overs','2.5','Piece','80' , '30', '700' , '450');
* INSERT INTO PRODUCTMASTER(PRODUCTNO , DESCRIPTION , PROFITPERCENT , UNITMASTER ,QTYONHAND ,REORDERLVL , SELLPRICE , COSTPRICE ) VALUES ('P07965','Denim Shirts','4','Piece','100' , '40', '350' , '250');
* INSERT INTO PRODUCTMASTER(PRODUCTNO , DESCRIPTION , PROFITPERCENT , UNITMASTER ,QTYONHAND ,REORDERLVL , SELLPRICE , COSTPRICE ) VALUES ('P07975','Lycra Tops','5','Piece','70' , '30', '300' , '175');
* INSERT INTO PRODUCTMASTER(PRODUCTNO , DESCRIPTION , PROFITPERCENT , UNITMASTER ,QTYONHAND ,REORDERLVL , SELLPRICE , COSTPRICE ) VALUES ('P08865','Skirts','5','Piece','75' , '30', '450' , '300');

**INSERT QUERIES FOR SALESMANMASTER:**

* **INSERT INTO SALESMANMASTER (SALESMANNO, SALESMANNAME, ADDRESS1, ADDRESS2, CITY, PINCODE, STATE, SALAMT, TGTTOGET, YTDSALES, REMARKS) VALUES ('S00001', 'Aman', 'A/14','Worli','Mumbai', '400002' , 'Maharashtra', '3000' , '100' , '50', 'Good');**
* **INSERT INTO SALESMANMASTER (SALESMANNO, SALESMANNAME, ADDRESS1, ADDRESS2, CITY, PINCODE, STATE, SALAMT, TGTTOGET, YTDSALES, REMARKS) VALUES ('S00002', 'Omkar','65','Nariman','Mumbai','400001' , 'Maharashtra', '3000' , '200' , '100', 'Good');**
* **INSERT INTO SALESMANMASTER (SALESMANNO, SALESMANNAME, ADDRESS1, ADDRESS2, CITY, PINCODE, STATE, SALAMT, TGTTOGET, YTDSALES, REMARKS) VALUES ('S00003', 'Raj','P-7','Bandra','Mumbai','400032' , 'Maharashtra', '3000' , '200' , '100', 'Good');**
* **INSERT INTO SALESMANMASTER (SALESMANNO, SALESMANNAME, ADDRESS1, ADDRESS2, CITY, PINCODE, STATE, SALAMT, TGTTOGET, YTDSALES, REMARKS) VALUES ('S00004', 'Ashish' , 'A/5','Juhu','Mumbai','400044' , 'Maharashtra', '3000' , '200' , '100', 'Good');**

**EXERCISE ON RETRIVING RECORDS FROM THE TABLE**

1. select name from clientmaster;
2. select \* from clientmaster;
3. select name, city, state from clientmaster;
4. select description from productmaster;
5. select \* from clientmaster where city="Mumbai";
6. select \* from salesmanmaster where SALAMT="3000";

**EXERCISE ON UPDATING RECORDS IN TABLE**

1. **UPDATE clientmaster set CITY="Bangalore" where CLIENTNO = "C00005";**
2. **update clientmaster set BALDUE = "1000" WHERE CLIENTNO = "C00001";**
3. **UPDATE PRODUCTMASTER SET COSTPRICE = "950" WHERE DESCRIPTION = "Trousers";**
4. **update salesmanmaster set city = "Pune";**
5. **UPDATE PRODUCTMASTER SET SELLPRICE = "350" WHERE DESCRIPTION = "Lycra Tops";**
6. **update salesmanmaster set ADDRESS1 = "Science City", ADDRESS2 = "Sola", CITY = "Ahmedabad", PINCODE = "380001", STATE = "Gujarat" where SALESMANNO = "S00002";**

**EXERCISE ON DELETING RECORDS IN A TABLE**

1. **DELETE FROM SALESMANMASTER WHERE SalAmt = "3500";**
2. **DELETE FROM productmaster WHERE QTYONHAND = "100";**
3. **DELETE FROM CLIENTMASTER WHERE STATE = "Tamilnadu";**

**EXERCISE ON ALTERING THE TABLE STRUCTURE**

1. ALTER TABLE CLIENTMASTER ADD Telephone int(10);
2. alter table productmaster modify column sellprice decimal(10,2);
3. alter table productmaster add column Profit int(12);
4. alter table productmaster drop column Profit;
5. alter table salesmanmaster rename to sman\_mast;
6. DROP TABLE CLIENTMASTER;