## **EXPERIMENT 4**

```
-- Create CLIENT_MASTER table
CREATE DATABASE company_data;
USE company_data;
CREATE TABLE CLIENT_MASTER (
  CLIENTNO VARCHAR(6) PRIMARY KEY CHECK (CLIENTNO LIKE 'C%'),
  NAME VARCHAR(20) NOT NULL,
  ADDRESS1 VARCHAR(30),
  ADDRESS2 VARCHAR(30),
  CITY VARCHAR(15),
  PINCODE INTEGER,
  STATE VARCHAR(15),
  BALDUE DECIMAL(10, 2)
);
-- Create PRODUCT_MASTER table
CREATE TABLE PRODUCT_MASTER (
  PRODUCTNO VARCHAR(6) PRIMARY KEY CHECK (PRODUCTNO LIKE 'P%'),
  DESCRIPTION VARCHAR(15) NOT NULL,
  PROFITPERCENT DECIMAL(4, 2) NOT NULL,
  UNIT_MEASURE VARCHAR(10) NOT NULL,
  QTYONHAND INTEGER NOT NULL,
  REORDERLVL INTEGER NOT NULL,
  SELLPRICE DECIMAL(8, 2) NOT NULL,
  COSTPRICE DECIMAL(8, 2) NOT NULL
);
-- Create SALESMAN_MASTER table
CREATE TABLE SALESMAN_MASTER (
```

```
SALESMANNO VARCHAR(6) PRIMARY KEY CHECK (SALESMANNO LIKE 'S%'),
  SALESMANNAME VARCHAR(20) NOT NULL,
  ADDRESS1 VARCHAR(30) NOT NULL,
  ADDRESS2 VARCHAR(30),
  CITY VARCHAR(20),
  PINCODE INTEGER,
  STATE VARCHAR(20),
  SALAMT REAL NOT NULL CHECK (SALAMT > 0),
  TGTTOGET DECIMAL(6, 2) NOT NULL CHECK (TGTTOGET > 0),
  YTDSALES DOUBLE PRECISION NOT NULL,
  REMARKS VARCHAR(60)
);
-- Insert data into CLIENT_MASTER
INSERT INTO CLIENT_MASTER (CLIENTNO, NAME, CITY, PINCODE, STATE, BALDUE)
VALUES
('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);
-- Insert data into PRODUCT_MASTER
INSERT INTO PRODUCT MASTER (PRODUCTNO, DESCRIPTION, PROFITPERCENT, UNIT MEASURE,
QTYONHAND, REORDERLVL, SELLPRICE, COSTPRICE)
VALUES
('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);
-- Insert data into SALESMAN_MASTER
INSERT INTO SALESMAN MASTER (SALESMANNO, SALESMANNAME, ADDRESS1, ADDRESS2, CITY,
PINCODE, STATE)
VALUES
('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');
-- Select statements
SELECT NAME FROM CLIENT_MASTER;
SELECT * FROM CLIENT_MASTER;
SELECT NAME, CITY, STATE FROM CLIENT MASTER;
SELECT * FROM PRODUCT MASTER;
SELECT * FROM CLIENT MASTER WHERE CITY = 'Mumbai';
SELECT SALESMANNAME FROM SALESMAN MASTER WHERE SALAMT = 3000;
-- Update statements
UPDATE CLIENT MASTER SET CITY = 'Bangalore' WHERE CLIENTNO = 'C00005';
UPDATE CLIENT MASTER SET BALDUE = 1000 WHERE CLIENTNO = 'C00001';
UPDATE PRODUCT MASTER SET COSTPRICE = 950 WHERE DESCRIPTION = 'Trousers';
UPDATE SALESMAN MASTER SET CITY = 'Pune';
-- Delete statements
```

DELETE FROM SALESMAN\_MASTER WHERE SALAMT = 3500;

DELETE FROM PRODUCT\_MASTER WHERE QTYONHAND = 100;

DELETE FROM CLIENT\_MASTER WHERE STATE = 'Tamil Nadu';

-- Select entire tables after modifications

SELECT \* FROM CLIENT\_MASTER;

SELECT \* FROM PRODUCT\_MASTER;

SELECT \* FROM SALESMAN\_MASTER;

1. CELECT NAME EDON OF TENT MACTED
mysql> SELECT NAME FROM CLIENT_MASTER;
++
I NAME I
<u> </u>
Ivan Bayross
Mamta Muzumdar
Chhaya Bankar
Ashwini Joshi
Hansel Colaco
Deepak Sharma
++
6 rows in set (0.00 sec)

CLIENTNO	NAME	ADDRESS1	ADDRESS2	CITY	PINCODE	STATE	BALDUE
C00001 C00002 C00003 C00004 C00005 C00006	Ivan Bayross   Mamta Muzumdar   Chhaya Bankar   Ashwini Joshi   Hansel Colaco   Deepak Sharma	NULL NULL NULL NULL NULL	NULL NULL NULL NULL NULL	Mumbai Madras Mumbai Bangalore Mumbai Mangalore	400054 780001 400057 560001 400060 560050	Maharashtra Tamil Nadu Maharashtra Karnataka Maharashtra Karnataka	15000.00   0.00   5000.00   0.00   2000.00

NAME		STATE	!					
Ivan Bayross   Mumbai   Mamta Muzumdar   Madras   Chhaya Bankar   Mumbai   Ashwini Joshi   Bangalore   Hansel Colaco   Mumbai   Deepak Sharma   Mangalore		Maharashtra   Tamil Nadu   Maharashtra ! Karnataka   Maharashtra ! Karnataka						
rows in set	(0.00	sec)						
/sql>	「 * FRO№ 	M PRODUCT	_MASTER;	·	·	·	+	+
/sql> SELECT	<del></del>	+		UNIT_MEASURE	QTYONHAND	REORDERLVL	SELLPRICE	+
PRODUCTNO	<del></del>	+ IPTION		UNIT_MEASURE	QTYONHAND	REORDERLVL	+   SELLPRICE 	
	DESCRI	+ IPTION   + rt	PROFITPERCENT					
PRODUCTNO   PRODUCTNO   P00001   P0345   P06734	DESCRI DESCRI T-Shir Shirts	+ IPTION   + rt	PROFITPERCENT	Piece	200	50	350.00	250.00 350.00
PRODUCTNO   P00001   P0345   P06734   P07865	DESCRI DESCRI T-Shir Shirts	IPTION   + rt   s   n Jeans	PROFITPERCENT 5.00 6.00	Piece Piece Piece Piece	200   150   100   100	50 50 20 20	350.00 500.00 600.00 750.00	250.06 350.06 450.06
PRODUCTNO   P00001   P0345   P06734   P07865	DESCRI T-Shir Shirts Cottor	+ IPTION   + rt   s   n Jeans	PROFITPERCENT 5.00 6.00 5.00	Piece Piece Piece	200   150   100	50 50 20	350.00 500.00 600.00	250.00   250.00   350.00   450.00
PRODUCTNO   P00001   P0345   P06734   P07865   P07868   P07885	DESCRI T-Shir Shirts Cottor	+ IPTION   + rt   s   n Jeans   ers	PROFITPERCENT 5.00 6.00 5.00 5.00	Piece Piece Piece Piece	200   150   100   100	50 50 20 20	350.00 500.00 600.00 750.00	250.06 350.06 450.06 500.06
PRODUCTNO   P00001   P0345   P06734   P07865   P07868   P07885   P07885   P07965	DESCRI T-Shir Shirts Cottor Jeans	IPTION   rt   s   n Jeans   ers	PROFITPERCENT  5.00 6.00 5.00 5.00 2.00	Piece Piece Piece Piece Piece Piece Piece	200 150 100 100 150	50 50 20 20 50	350.00 500.00 600.00 750.00	250.00 350.00 450.00 500.00 550.00
·	DESCRI T-Shir Shirts Cottor Jeans Trouse	IPTION   rt   s   n Jeans   ers   0vers   Jeans   Tops	PROFITPERCENT   5.00   6.00   5.00   5.00   2.00   2.50	Piece Piece Piece Piece Piece Piece	200 150 100 100 150 80	50 50 20 20 50 50	350.00 500.00 600.00 750.00 850.00	250.00 350.00 450.00 500.00 550.00 450.00

```
mysql> SELECT * FROM CLIENT_MASTER WHERE CITY = 'Mumbai';
                                                           CITY
  CLIENTNO | NAME
                                 ADDRESS1
                                              ADDRESS2
                                                                     PINCODE |
                                                                                STATE
                                                                                                BALDUE
               Ivan Bayross
   C00001
                                 NULL
                                                           Mumbai
                                                                      400054
                                                                                                 15000.00
                                              NULL
                                                                                 Maharashtra
  C00003
               Chhaya Bankar
Hansel Colaco
                                                                      400057
                                                                                                  5000.00
                                 NULL
                                              NULL
                                                           Mumbai
                                                                                 Maharashtra
                                                                                                  2000.00
  C00005
                                 NULL
                                              NULL
                                                           Mumbai
                                                                      400060
                                                                                Maharashtra
3 rows in set (0.00 sec)
mysql> SELECT SALESMANNAME FROM SALESMAN_MASTER WHERE SALAMT = 3000;
Empty set (0.00 sec)
mvsal>
mysql> -- Update statements
mysql> UPDATE CLIENT_MASTER SET CITY = 'Bangalore' WHERE CLIENTNO = 'C00005';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0
mysql> UPDATE CLIENT_MASTER SET BALDUE = 1000 WHERE CLIENTNO = 'C000001';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0
mysql> UPDATE PRODUCT_MASTER SET COSTPRICE = 950 WHERE DESCRIPTION = 'Trousers';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0
mysql> UPDATE SALESMAN_MASTER SET CITY = 'Pune';
mysql> UPDATE PRODUCT_MASTER SET COSTPRICE = 950 WHERE DESCRIPTION = 'Trousers';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0
mysql> UPDATE SALESMAN_MASTER SET CITY = 'Pune';
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0 Changed: 0 Warnings: 0
mysql>
mysql> -- Delete statements
mysql> DELETE FROM SALESMAN_MASTER WHERE SALAMT = 3500;
Query OK, 0 rows affected (0.00 sec)
mysql> DELETE FROM PRODUCT_MASTER WHERE QTYONHAND = 100;
Query OK, 3 rows affected (0.00 sec)
mysql> DELETE FROM CLIENT_MASTER WHERE STATE = 'Tamil Nadu';
Query OK, 1 row affected (0.00 sec)
mysql>
mysql> -- Select entire tables after modifications
mysql> -- Select entire tables after modifications
mysql> SELECT * FROM CLIENT_MASTER;
  CLIENTNO | NAME
                                                              PINCODE | STATE
                                                                                    BALDUE
                           ADDRESS1
                                       ADDRESS2 | CITY
  C00001
             Ivan Bayross
Chhaya Bankar
                             NULL
                                        NULL
                                                  Mumbai
                                                               400054
                                                                        Maharashtra
                                                                                      1000.00
                             NULL
                                                   Mumbai
                                                               400057
                                                                        Maharashtra
  C00003
                                        NULL
                                                                                      5000.00
             Ashwini Joshi
Hansel Colaco
Deepak Sharma
                                                                                      0.00
  C00004
                                                               560001
                             NULL
                                        NULL
                                                   Bangalore
                                                                        Karnataka
  C00005
                             NULL
                                        NULL
                                                   Bangalore
                                                               400060
                                                                        Maharashtra
  C00006
                             NULL
                                        NULL
                                                  Mangalore
                                                               560050
                                                                        Karnataka
                                                                                         0.00
       in set (0.00 sec)
```

mysql> SELEC	T * FROM PRODUC	CT_MASTER;	+	·	·	·	+				
PRODUCTNO	DESCRIPTION	PROFITPERCENT	UNIT_MEASURE	QTYONHAND	REORDERLVL	SELLPRICE	COSTPRICE				
P00001	T-Shirt	5.00	Piece	200	50	350.00	250.00				
P0345	Shirts	6.00	Piece	150	50	500.00	350.00				
P07868	Trousers	2.00	Piece	150	50	850.00	950.00				
P07885	Pull Overs	2.50	Piece	80	30	700.00	450.00				
P07975	Lycra Tops	5.00	Piece	70	30	300.00	175.00				
P08865	Skirts	5.00	Piece	75	30	450.00	300.00				
6 rows in set	ttttt										