**ASSIGNMENT-1**

**1)EXERCISE ON RETRIEVING RECORDS FROM THE TABLE:**

**1. Find out the names of all the clients:**

SELECT NAME FROM client\_master;

**2.** **Retrieve the entire contents of the Client Master table**

SELECT \* FROM CLIENT\_MASTER;

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

SELECT NAME, CITY, STATE FROM CLIENT\_MASTER;

**4. List the various products available from the Product Master table**

SELECT DESCRIPTION FROM product\_master;

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

SELECT \* FROM CLIENT\_MASTER WHERE CITY = 'MUMBAI';

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

SELECT SALESMANNAME FROM salesman\_master WHERE SALAMT = 3000;

**2)EXERCISE ON UPDATING RECORDS IN TABLE.**

**1. Change the city of client no. ‘C00005’ to ‘Bangalore’.**

UPDATE CLIENT\_MASTER SET CITY = 'Bangalore' Where CLIENTNO = 'C00005';

**2. Change the BalDue of client no. ‘C0001’ to Rs. 1000**

UPDATE CLIENT\_MASTER SET BALDUE = '1000' Where CLIENTNO = 'C00001';

**3. Change the cost price of ‘Trousers’ to Rs. 950.**

UPDATE product\_master SET COSTPRICE = '950' Where 'DESCRIPTION' = 'Trousers';

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

UPDATE salesman\_master SET CITY = 'Pune' Where 'CITY' = 'MUMBAI';

**5. Change the SellPrice of LycraTops to Rs.350.**

UPDATE product\_master SET SELLPRICE = '350' WHERE PRODUCTNO = 'P07975';

**6. Change the Address1, Address2, City, Pincode, State of Salesman No. S00002.**

UPDATE SALESMAN\_MASTER SET ADDRESS1 = 'C/10', ADDRESS2 = 'SATELLITE', CITY = 'Ahmedabad', PINCODE = '380051', STATE = 'Gujarat' WHERE SALESMANNO = 'S00002';

**3)EXERCISE ON DELETING RECORDS IN A TABLE.**

**1) Delete all salesmen from the salesman master whose salaries are equal to Rs. 3500.**

DELETE FROM salesman\_master WHERE SALAMT = '3500';

**2) Delete all products from product master where the quantity on hand is equal to 100.**

DELETE FROM product\_master WHERE QTYONHAND = '100';

**3) Delete from client master where the column state holds the value ‘Tamil Nadu’.**

DELETE FROM client\_master WHERE STATE = 'Tamilnadu';

**4)EXERCISE ON ALTERING THE TABLE STRUCTURE.**

**1) Add a column called ‘Telephone’ of data type ‘number’ and size=’10’ to the client Master table.**

ALTER TABLE client\_master ADD TELEPHONE VARCHAR(10);

**2) Change the size of sellprice column in Product Master to 10,2**

ALTER TABLE product\_master MODIFY COLUMN SELLPRICE NUMERIC(10, 2);

**3) Add column called ‘Profit’ of data type ‘ number’ and size=’12’ to the product master.**

ALTER TABLE product\_master ADD COLUMN PROFIT NUMERIC(12);

**4) Remove column ‘Profit’ from the product master.**

ALTER TABLE product\_master DROP COLUMN PROFIT;

**5) Change the name of the Salesman master table to sman\_mast.**

ALTER TABLE salesman\_master RENAME TO sman\_mast;

**6) Destroy the table client master along with its data.**

DROP TABLE CLIENT\_MASTER;

**Queries for schema creation and insertion on data in table:**

1) CREATE TABLE CLIENT\_MASTER(

CLIENTNO varchar(6),

NAME varchar(20),

ADDRESS1 varchar(30),

ADDRESS2 varchar(30),

CITY varchar(15),

PINCODE numeric(8),

STATE varchar(15),

BALDUE numeric(10,2)

)

2) CREATE TABLE PRODUCT\_MASTER(

PRODUCTNO varchar(6),

DESCRIPTION varchar(15),

PROFITPERCENT NUMERIC(4, 2),

UNITMASTER varchar(10),

QTYONHAND NUMERIC(8),

REORDERLVL NUMERIC(8),

SELLPRICE NUMERIC(8,2),

COSTPRICE NUMERIC(8, 2),

);

3) CREATE TABLE salesman\_master(

SALESMANNO varchar(6),

SALESMANNAME varchar(20),

ADDRESS1 varchar(30),

ADDRESS2 varchar(30),

CITY varchar(20),

PINCODE numeric(8),

STATE varchar(20),

SALAMT NUMERIC(8, 2),

TGTTOGET NUMERIC(6, 2),

YTDSALES NUMERIC(6, 2),

REMARKS VARCHAR(60)

)

4) INSERT INTO client\_master(CLIENTNO, NAME, CITY, PINCODE, STATE, BALDUE)

VALUES

('C00001', 'Rakesh Joshi', 'Mumbai', '400054', 'Maharashtra', '15000'),

('C00002', 'Mayur Patel', 'Madras', '780001', 'Tamilnadu', '0'),

('C00003', 'Ishita Mehta', 'Mumbai', '400057', 'Maharashtra', '5000'),

('C00004', 'Amit Solanki', 'Bangalore', '560001', 'Karnataka', '0'),

('C00005', 'Hiren Pandya', 'Mumbai', '400060', 'Maharashtra', '2000'),

('C00006', 'Dipak Sharma', 'Mangalore', '560050', 'Karnataka', '0')

5) INSERT INTO product\_master

(PRODUCTNO, DESCRIPTION, PROFITPERCENT, UNITMASTER, QTYONHAND, REORDERLVL, SELLPRICE, COSTPRICE)

VALUES

('P00001', 'T-Shirts', '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 Shirts', '4', 'Piece', '100', '40', '350', '250'),

('P07975', 'Lycra Tops', '5', 'Piece', '70', '30', '300', '175'),

('P08865', 'Skirts', '5', 'Piece', '75', '30', '450', '300');

6) INSERT INTO salesman\_master

(SALESMANNO, SALESMANNAME, ADDRESS1, ADDRESS2, CITY, PINCODE, STATE, SALAMT, TGTTOGET, YTDSALES, REMARKS)

VALUES

('S00001', 'Aman', 'A/14', 'Worli', 'Mumbai', '400002', 'Maharashtra', '3000', '100', '50', 'Good'),

('S00002', 'Omkar', '65', 'Nariman', 'Mumbai', '400001', 'Maharashtra', '3000', '200', '100', 'Good'),

('S00003', 'Raj', 'P-7', 'Bandra', 'Mumbai', '400032', 'Maharashtra', '3000', '200', '100', 'Good'),

('S00004', 'Ashish', 'A/5', 'Juhu', 'Mumbai', '400044', 'Maharashtra', '3000', '200', '100', 'Good');

END