Date: 20th January 2023

## **EXPERIMENT 2**

**TITLE: DML (Data Manipulation Language) commands** 

**Objective:** To understand the concept of different DML commands.

#### 1. EXERCISE ON RETRIEVING RECORDS FROM A TABLE.

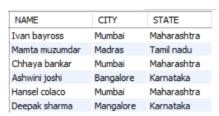
- a. Find out the names of all the clients.
  - > SELECT NAME FROM CLIENT\_MASTER;



- b. Retrieve the entire contents of the Client\_Master table.
  - > SELECT NAME FROM CLIENT\_MASTER;

CLIENTNO	NAME	ADDRESS1	ADDRESS2	CITY	PINCODE	STATE	BALDUE
C00001	Ivan bayross	NULL		Mumbai	400054	Maharashtra	15000.00
C00002	Mamta muzumdar	HULL	NULL	Madras	780001	Tamil nadu	0.00
C00003	Chhaya bankar	NULL	NULL	Mumbai	400057	Maharashtra	5000.00
C00004	Ashwini joshi	NULL	NULL	Bangalore	560001	Karnataka	0.00
C00005	Hansel colaco	NULL	NULL	Mumbai	400060	Maharashtra	2000.00
C00006	Deepak sharma	NULL	NULL	Mangalore	560050	Karnataka	0.00

- c. Retrieve the list of names, city and the state of all the clients.
  - ➤ SELECT NAME, CITY, STATE FROM CLIENT\_MASTER;

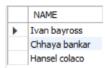


- d. List the various products available from the Product\_Master table.
  - > SELECT DESCRIPTION FROM PRODUCT\_MASTER;



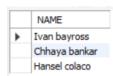
#### e. List all the clients who are located in Mumbai.

➤ SELECT NAME FROM CLIENT\_MASTER WHERE CITY="MUMBAI";



#### f. Find the names of salesman who have a salary equal to Rs.3000.

> SELECT SALESMANNAME FROM SALESMAN\_MASTER WHERE SALAMT="3000";



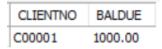
#### 2. EXERCISE ON UPDATING RECORDS IN A TABLE

- a. Change the city of ClientNo 'C00005' to 'Bangalore'.
  - ➤ UPDATE CLIENT\_MASTER SET CITY = "BANGALORE" WHERE CLIENTNO = "C00005";
  - > SELECT CLIENTNO, CITY FROM CLIENT\_MASTER WHERE CLIENTNO = "C00005":



#### b. Change the BalDue of ClientNo 'C00001' to Rs.1000.

- UPDATE CLIENT\_MASTER SET BALDUE = "1000" WHERE CLIENTNO = "C00001";
- ➤ SELECT CLIENTNO, BALDUE FROM CLIENT\_MASTER WHERE CLIENTNO = "C00001";



- c. Change the cost price of 'Trousers' to Rs.950.00.
  - ➤ UPDATE PRODUCT\_MASTER SET COST\_PRICE = "950" WHERE DESCRIPTION = "TROUSERS";
  - > SELECT DESCRIPTION, COST\_PRICE FROM PRODUCT\_MASTER WHERE DESCRIPTION = "TROUSERS":

DESCRIPTION	COST_PRICE
Trousers	950.00

- d. Change the city of the salesman to Pune.
  - ➤ UPDATE SALESMAN\_MASTER SET CITY = "PUNE";
  - SELECT \* FROM SALESMAN\_MASTER;

SALESMANNO	SALESMANNAME	ADDRESS1	ADDRESS2	CITY	PINCODE	STATE	SALAMT	TGTTOGET	YTDSALES	REMARKS
500001	Aman	A/14	Worli	PUNE	400002	Maharashtra	3000	100	50.00	Good
500002	OMKAR	65	NARIMAN	PUNE	400002	Maharashtra	3000	200	100.00	Good
500003	RAJ	P-7	BANDRA	PUNE	400032	Maharashtra	3000	200	100.00	Good
500004	ASHISH	A/5	JUHU	PUNE	400044	Maharashtra	3000	200	150.00	Good

### 3. EXERCISE ON DELETING RECORDS IN A TABLE

- a. Delete all salesman from the Salesman\_Master whose salaries are equal to Rs.3500.
  - ➤ DELETE FROM SALESMAN\_MASTER WHERE SALAMT=3500;
  - > SELECT \* FROM SALESMAN MASTER;

SALESMANNO	SALESMANNAME	ADDRESS1	ADDRESS2	CITY	PINCODE	STATE	SALAMT	TGTTOGET	YTDSALES	REMARKS
500001	Aman	A/14	Worli	PUNE	400002	Maharashtra	3000	100	50.00	Good
500002	OMKAR	65	NARIMAN	PUNE	400002	Maharashtra	3000	200	100.00	Good
500003	RAJ	P-7	BANDRA	PUNE	400032	Maharashtra	3000	200	100.00	Good
S00004	ASHISH	A/5	JUHU	PUNE	400044	Maharashtra	3000	200	150.00	Good

- b. Delete all products from Product\_Master where the quantity on hand is equal to 100.
  - ➤ DELETE FROM PRODUCT\_MASTER WHERE QTY\_ON\_HAND=100;
  - SELECT \* FROM PRODUCT\_MASTER;

PRODUCTNO	DESCRIPTION	PROFIT_PERCENT	UNIT_MEASURE	QTY_ON_HAND	REORDERL_VL	SELLPRICE	COST_PRICE
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

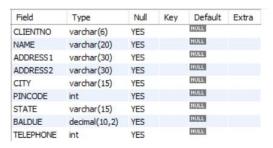
- c. Delete from Client\_Master where the column state holds the value 'Tamil Nadu'.
  - ➤ DELETE FROM CLIENT\_MASTER WHERE STATE="TAMIL NADU";
  - ➤ SELECT \* FROM CLIENT\_MASTER;

CLIENTNO	NAME	ADDRESS1	ADDRESS2	CITY	PINCODE	STATE	BALDUE
C00001	Ivan bayross	NULL		Mumbai	400054	Maharashtra	1000.00
C00003	Chhaya bankar	HULL	NULL	Mumbai	400057	Maharashtra	5000.00
C00004	Ashwini joshi	NULL	NULL	Bangalore	560001	Karnataka	0.00
C00005	Hansel colaco	NULL	NULL	BANGALORE	400060	Maharashtra	2000.00
C00006	Deepak sharma	NULL	NULL	Mangalore	560050	Karnataka	0.00

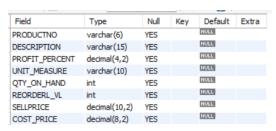
#### 4. EXERCISE ON ALTERING THE TABLE STRUCTURE

a. Add a column called 'Telephone' of data type integer to the Client\_Master table.

- ➤ ALTER TABLE CLIENT\_MASTER ADD TELEPHONE INTEGER;
- ➤ DESC CLIENT\_MASTER;



- b. Change the size of SellPrice column in Product \_Master to (10, 2).
  - ➤ ALTER TABLE PRODUCT\_MASTER MODIFY SELLPRICE DECIMAL(10,2);
  - DESC PRODUCT\_MASTER;



# 5. EXERCISE ON DELETING THE TABLE STRUCTURE ALONG WITH THE DATA

- a. Destroy the table Client\_Master along with its data.
  - ➤ DROP TABLE CLIENT\_MASTER;
  - > SHOW TABLES;



#### 6. EXERCISE ON RENAMING THE TABLE

- a. Change the name of the Salesman\_Master to sman\_mast.
  - ➤ ALTER TABLE SALESMAN MASTER RENAME TO SMAN MAST;
  - > SHOW TABLES:

