

EXPERIMENT 1**Date: 17th January 2023****TITLE: DDL (Data Definition Language) commands**

Objective: To understand the concept of designing issue related to the database with creating, populating the tables.

1. CREATE THE TABLES DESCRIBED BELOW:**Table name: CLIENT_MASTER**

Column name	Data type	Size
CLIENTNO	Varchar	6
NAME	Varchar	20
ADDRESS 1	Varchar	30
ADDRESS 2	Varchar	30
CITY	Varchar	15
PINCODE	Integer	
STATE	Varchar	15
BALDUE	decimal	10.2

Query:

```
CREATE TABLE CLIENT_MASTER (  
    CLIENTNO VARCHAR (6),  
    NAME VARCHAR (20),  
    ADDRESS1 VARCHAR (30),  
    ADDRESS2 VARCHAR (30),  
    CITY VARCHAR (15),  
    PINCODE INTEGER,  
    STATE VARCHAR (15),
```

BALDUE DECIMAL (10,2)

);

DESC CLIENT_MASTER;

Output:

Field	Type	Null	Key	Default	Extra
CLIENTNO	varchar(6)	YES		NULL	
NAME	varchar(20)	YES		NULL	
ADDRESS1	varchar(30)	YES		NULL	
ADDRESS2	varchar(30)	YES		NULL	
CITY	varchar(15)	YES		NULL	
PINCODE	int	YES		NULL	
STATE	varchar(15)	YES		NULL	
BALDUE	decimal(10,2)	YES		NULL	

Table name: PRODUCT_MASTER

Column name	Data type	Size
PRODUCTNO	Varchar	6
DESCRIPTION	Varchar	15
PROFITPERCENT	Decimal	4.2
UNIT MEASURE	Varchar	10
QTYONHAND	Integer	
REORDERL VL	Integer	
SELLPRICE	Decimal	8.2
COSTPRICE	Decimal	8.2

Query:

CREATE TABLE PRODUCT_MASTER(

PRODUCTNO VARCHAR (6),

```

DESCRIPTION VARCHAR(15),
PROFIT_PERCENT DECIMAL (4,2),
UNIT_MEASURE VARCHAR (10),
QTY_ON_HAND INTEGER,
REORDERL_VL INTEGER,
SELLPRICE DECIMAL(8,2),
COST_PRICE DECIMAL(8,2)

```

```
);
```

```
DESC PRODUCT_MASTER;
```

Output:

Field	Type	Null	Key	Default	Extra
PRODUCTNO	varchar(6)	YES		NULL	
DESCRIPTION	varchar(15)	YES		NULL	
PROFIT_PERCENT	decimal(4,2)	YES		NULL	
UNIT_MEASURE	varchar(10)	YES		NULL	
QTY_ON_HAND	int	YES		NULL	
REORDERL_VL	int	YES		NULL	
SELLPRICE	decimal(8,2)	YES		NULL	
COST_PRICE	decimal(8,2)	YES		NULL	

Table name: SALESMAN_MASTER

Column name	Data type	Size
SALESMANNO	Varchar	6
SALESMANNAME	Varchar	20
ADDRESS 1	Varchar	30
ADDRESS 2	Varchar	30
CITY	Varchar	20
PINCODE	Integer	
STATE	Varchar	20

SALAMT	Real	
TGTTOGET	Decimal	
YTDSALES	Double	6.2
REMARKS	Varchar	60

Query:

```
CREATE TABLE SALESMAN_MASTER(
    SALESMANNO VARCHAR (6),
    SALESMANNAME VARCHAR(20),
    ADDRESS1 VARCHAR(30),
    ADDRESS2 VARCHAR(30),
    CITY VARCHAR (20),
    PINCODE INTEGER,
    STATE VARCHAR (20),
    SALAMT REAL,
    TGTTOGET DECIMAL,
    YTDSALES DOUBLE(6,2),
    REMARKS VARCHAR (60)
);
```

```
DESC SALESMAN_MASTER;
```

Output:

Field	Type	Null	Key	Default	Extra
SALESMANNO	varchar(6)	YES		NULL	
SALESMANNAME	varchar(20)	YES		NULL	
ADDRESS1	varchar(30)	YES		NULL	
ADDRESS2	varchar(30)	YES		NULL	
CITY	varchar(20)	YES		NULL	
PINCODE	int	YES		NULL	
STATE	varchar(20)	YES		NULL	
SALAMT	double	YES		NULL	
TGTTOGET	decimal(10,0)	YES		NULL	
YTDSALES	double(6,2)	YES		NULL	
REMARKS	varchar(60)	YES		NULL	

2. INSERT DATA INTO THE RESPECTIVE TABLES:

a. Data for CLIENT_MASTER table:

Client no	Name	City	Pincode	State	BalDue
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

Query:

```
INSERT INTO CLIENT_MASTER VALUES("C00001", "Ivan bayross", NULL, "Mumbai", 400054, "Maharashtra", 15000);
```

```
INSERT INTO CLIENT_MASTER(CLIENTNO, NAME, CITY, PINCODE, STATE, BALDUE) VALUES("C00002", "Mamta muzumdar", "Madras", 780001, "Tamil nadu", 0);
```

```
INSERT INTO CLIENT_MASTER(CLIENTNO, NAME, CITY, PINCODE, STATE, BALDUE) VALUES('C00003', 'Chhaya bankar', 'Mumbai', 400057, 'Maharashtra', 5000);
```

```
INSERT INTO CLIENT_MASTER(CLIENTNO, NAME, CITY, PINCODE, STATE, BALDUE) VALUES('C00004', 'Ashwini joshi', 'Bangalore', 560001, 'Karnataka', 0);
```

```
INSERT INTO CLIENT_MASTER(CLIENTNO, NAME, CITY, PINCODE, STATE, BALDUE) VALUES('C00005', 'Hansel colaco', 'Mumbai', 400060, 'Maharashtra', 2000);
```

```
INSERT INTO CLIENT_MASTER(CLIENTNO, NAME, CITY, PINCODE, STATE, BALDUE) VALUES('C00006', 'Deepak sharma', 'Mangalore', 560050, 'Karnataka', 0);
```

```
SELECT * FROM CLIENT_MASTER;
```

Output:

CLIENTNO	NAME	ADDRESS1	ADDRESS2	CITY	PINCODE	STATE	BALDUE
C00001	Ivan bayross	NULL		Mumbai	400054	Maharashtra	15000.00
C00002	Mamta muzumdar	NULL	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

b. Data for PRODUCT_MASTER table:

ProductNo	Description	Profit percent	Unit measure	Qtyonhand	RecorderLvl	SellPrice	CostPrice
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

Query:

INSERT INTO PRODUCT_MASTER VALUES('P00001', 'T-Shirt', 5, 'Piece', 200, 50, 350, 250);

INSERT INTO PRODUCT_MASTER VALUES('P0345', 'Shirts', 6, 'Piece', 150, 50, 500, 350);

INSERT INTO PRODUCT_MASTER VALUES('P06734', 'Cotton jeans', 5, 'Piece', 100, 20, 600, 450);

INSERT INTO PRODUCT_MASTER VALUES('P07865', 'Jeans', 5, 'Piece', 100, 20, 750, 500);

INSERT INTO PRODUCT_MASTER VALUES('P07868', 'Trousers', 2, 'Piece', 150, 50, 850, 550);

INSERT INTO PRODUCT_MASTER VALUES('P07885', 'Pull Overs', 2.5, 'Piece', 80, 30, 700, 450);

INSERT INTO PRODUCT_MASTER VALUES('P07965', 'Denim jeans', 4, 'Piece', 100, 40, 350, 250);

INSERT INTO PRODUCT_MASTER VALUES('P07975', 'Lycra tops', 5, 'Piece', 70, 30, 300, 175);

INSERT INTO PRODUCT_MASTER VALUES('P08865', 'Skirts', 5, 'Piece', 75, 30, 450, 300);

SELECT * FROM PRODUCT_MASTER;

Output:

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
P06734	Cotton jeans	5.00	Piece	100	20	600.00	450.00
P07865	Jeans	5.00	Piece	100	20	750.00	500.00
P07868	Trousers	2.00	Piece	150	50	850.00	550.00
P07885	Pull Overs	2.50	Piece	80	30	700.00	450.00
P07965	Denim jeans	4.00	Piece	100	40	350.00	250.00
P07975	Lycra tops	5.00	Piece	70	30	300.00	175.00
P08865	Skirts	5.00	Piece	75	30	450.00	300.00

c. Data for SALESMAN_MASTER table:

SalesmanNo	Name	Address1	Address2	City	Pincode	State
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

SalesmanNo	SalAmt	TgtToGet	YtdSales	Remarks
S00001	3000	100	50	Good
S00002	3000	200	100	Good
S00003	3000	200	100	Good
S00004	3500	200	150	Good

Query:

```
INSERT INTO SALESMAN_MASTER VALUES('S00001', 'Aman', 'A/14', 'Worli',
'Mumbai', 400002, 'Maharashtra', 3000, 100, 50, 'Good');
```

```
INSERT INTO SALESMAN_MASTER VALUES('S00002', 'OMKAR', '65', 'NARIMAN',
'Mumbai', 400002, 'Maharashtra', 3000, 200, 100, 'Good');
```

```
INSERT INTO SALESMAN_MASTER VALUES('S00003', 'RAJ', 'P-7', 'BANDRA',
'Mumbai', 400032, 'Maharashtra', 3000, 200, 100, 'Good');
```

```
INSERT INTO SALESMAN_MASTER VALUES('S00004', 'ASHISH', 'A/5', 'JUHU',
'Mumbai', 400044, 'Maharashtra', 3000, 200, 150, 'Good');
```

```
SELECT * FROM SALESMAN_MASTER;
```

Output:

SALESMANNO	SALESMANNAME	ADDRESS1	ADDRESS2	CITY	PINCODE	STATE
S00001	Aman	A/14	Worli	Mumbai	400002	Maharashtra
S00002	OMKAR	65	NARIMAN	Mumbai	400002	Maharashtra
S00003	RAJ	P-7	BANDRA	Mumbai	400032	Maharashtra
S00004	ASHISH	A/5	JUHU	Mumbai	400044	Maharashtra

SALAMT	TGTTGET	YTDSALES	REMARKS
3000	100	50.00	Good
3000	200	100.00	Good
3000	200	100.00	Good
3000	200	150.00	Good