Experiment 1

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

Description: Used to store client information.

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

```
2  create table CLIENT_MASTER(
3  CLIENTNO varchar(6),
4  NAME varchar(20),
5  ADDRESS1 varchar(30),
6  ADDRESS2 varchar(30),
7  CITY varchar(15),
8  PINCODE int,
9  STATE varchar(15),
10 BALDUE decimal(10,2)
11 );
12 select * from CLIENT_MASTER;
```

```
2  12:29:10  create table CLIENT_MASTER( CLIENTNO varchar(6), NAME varchar(20), ADDRESS1 varchar(30), ADDRE...  0 row(s) affected  0.531 sec
```

Table Name: PRODUCT_MASTER

Description: Used to store product information

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

```
14 • create table PRODUCT_MASTER(
15   PRODUCTNO varchar(6),
16   DESCRIPTION varchar(15),
17   PROFITPERCENT decimal(4,2),
18   UNITMEASURE varchar(10),
19   QTYONHAND int,
20   REORDERL int,
21   SELLPRICE decimal(8,2),
22   COSTPRICE decimal(8,2)
23   );
24 • select * from PRODUCT_MASTER;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

PRODUCTNO	DESCRIPTION	PROFITPERCENT	UNITMEASURE	QTYONHAND	REORDERL	SELLPRICE	COSTPRICE

Table Name: SALESMAN_MASTER

Description: Used to store salesman information working for the company.

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

```
create table SALESMAN_MASTER(
SALESMANNO varchar(6),
SALESMANNAME varchar(20),
ADDRESS1 varchar(30),
ADDRESS2 varchar(30),
CITY varchar(20),
PINCODE int,
STATE varchar(20),
SALAMT real,
TGTTOGET decimal(6,2),
YTDSALES double(6,2),
REMARKS varchar(60)
);
select * from SALESMAN_MASTER;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

SALESMANNO	SALESMANNAME	ADDRESS1	ADDRESS2	CITY	PINCODE	STATE	SALAMT	TGTTOGET	YTDSALES	REMARKS

2. **Insert the following data into their respective tables:**

a) Data for **CLIENT_MASTER** table:

CLIENTNO	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

```
insert into CLIENT_MASTER values ('C001', 'Ivan Bayross', 'ABC', 'JKL', 'Mumbai', 400054, 'Maharashtra', 15000);
insert into CLIENT_MASTER values ('C002', 'Mamta Muzumdar', 'BCD', 'KLM', 'Madras', 780001, 'Tamil Nadu', 0);
insert into CLIENT_MASTER values ('C003', 'Chhaya Bankar', 'CDE', 'LMN', 'Mumbai', 400057, 'Maharashtra', 5000);
insert into CLIENT_MASTER values ('C004', 'Ashwini Joshi', 'DEF', 'MNO', 'Bangalore', 560001, 'Karnataka', 0);
insert into CLIENT_MASTER values ('C005', 'Hansel Colaco', 'EFG', 'NOP', 'Mumbai', 400060, 'Maharashtra', 2000);
insert into CLIENT_MASTER values ('C006', 'Deepak Sharma', 'FGH', 'OPQ', 'Mangalore', 560050, 'Karnataka', 0);
insert into CLIENT_MASTER values ('C007', 'Sohail Khan', 'GHI', 'PQR', 'Surat', 395005, 'Gujarat', 345);
select * from CLIENT_MASTER;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

CLIENTNO	NAME	ADDRESS1	ADDRESS2	CITY	PINCODE	STATE	BALDUE
C001	Ivan Bayross	ABC	JKL	Mumbai	400054	Maharashtra	15000.00
C002	Mamta Muzumdar	BCD	KLM	Madras	780001	Tamil Nadu	0.00
C003	Chhaya Bankar	CDE	LMN	Mumbai	400057	Maharashtra	5000.00
C004	Ashwini Joshi	DEF	MNO	Bangalore	560001	Karnataka	0.00
C005	Hansel Colaco	EFG	NOP	Mumbai	400060	Maharashtra	2000.00
C006	Deepak Sharma	FGH	OPQ	Mangalore	560050	Karnataka	0.00
C007	Sohail Khan	GHI	PQR	Surat	395005	Gujarat	345.00

b) Data for **PRODUCT_MASTER** table:

PRODUCTNO	DESCRIPTION	PROFIT PERCENT	UNIT MEASURE	QTYONHAND	REORDERL	SELL PRICE	COST PRICE
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

```
50 •  insert into PRODUCT_MASTER values ('P00001', 'T-Shirt', 5, 'Piece', 200, 50, 350, 250);
51 •  insert into PRODUCT_MASTER values ('P0345', 'Shirts', 6, 'Piece', 150, 50, 500, 350);
52 •  insert into PRODUCT_MASTER values ('P06734', 'Cotton Jeans', 5, 'Piece', 100, 20, 600, 450);
53 •  insert into PRODUCT_MASTER values ('P07865', 'Jeans', 5, 'Piece', 100, 20, 750, 500);
54 •  insert into PRODUCT_MASTER values ('P07868', 'Trousers', 2, 'Piece', 150, 50, 850, 550);
55 •  insert into PRODUCT_MASTER values ('P07885', 'Pull Overs', 2.5, 'Piece', 80, 30, 700, 450);
56 •  select * from PRODUCT_MASTER;
57
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

PRODUCTNO	DESCRIPTION	PROFITPERCENT	UNITMEASURE	QTYONHAND	REORDERL	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
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

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	TTGTOGET	YTDSALES	REMARKS
S00001	3000	100	50	Good
S00002	3000	200	100	Good
S00003	3000	200	100	Good
S00004	3500	200	150	Good

```
58 •  insert into SALESMAN_MASTER values ('S0001', 'Aman', 'A/14', 'Worli', 'Mumbai', 400002, 'Maharashtra', 3000, 100, 50, 'Good');
59 •  insert into SALESMAN_MASTER values ('S0002', 'Omkar', '65', 'Nariman', 'Mumbai', 400001, 'Maharashtra', 3000, 200, 100, 'Good');
60 •  insert into SALESMAN_MASTER values ('S0003', 'Raj', 'P-7', 'Bandra', 'Mumbai', 400032, 'Maharashtra', 3000, 200, 100, 'Good');
61 •  insert into SALESMAN_MASTER values ('S0004', 'Ashish', 'A/5', 'Juhu', 'Mumbai', 400044, 'Maharashtra', 3000, 200, 150, 'Good');
62 •  select * from SALESMAN_MASTER;
63
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

SALESMANNO	SALESMANNAME	ADDRESS1	ADDRESS2	CITY	PINCODE	STATE	SALAMT	TGTTOGET	YTDSALES	REMARKS
S0001	Aman	A/14	Worli	Mumbai	400002	Maharashtra	3000	100.00	50.00	Good
S0002	Omkar	65	Nariman	Mumbai	400001	Maharashtra	3000	200.00	100.00	Good
S0003	Raj	P-7	Bandra	Mumbai	400032	Maharashtra	3000	200.00	100.00	Good
S0004	Ashish	A/5	Juhu	Mumbai	400044	Maharashtra	3000	200.00	150.00	Good