Lab Experiment 3

Name : Perform following queries of DDL & DML.

Instruction: Answer must be your snapshot of sql command line window just below to question. (Like given in question 1).

Q1. Create the following tables:

i)   client_master

columnname	datatype	size
client_no	varchar2	6
name	varchar2	20
address1	varchar2	30
address2	varchar2	30
city	varchar2	15
state	varchar2	15
pincode	number	6
bal_due	number	10,2

ANS:

```
SQL> connect
Enter user-name: system
Enter password:
Connected.
SQL> create table client_master(client_no varchar2(6),name varchar2(20),address1 varchar2(30),address2 varchar2(30),
  2  city varchar2(15),state varchar2(15),pincode number(6),bal_due number(10,2));

Table created.
```

ii)   Product_master

columnname	datatype	size
Product_no	varchar2	

Description	varchar2	
Profit_percent	number	
Unit_measure	varchar2	
Qty_on_hand	number	
Reoder_lvl	number	
Sell_price	number	
Cost_price	number	

```
SQL> create table Product_master(Product_no varchar2(6),
  2  Description varchar2(30),Profit_percent number,Unit_measure varchar2(6),Qty_on_hand number,
  3  Reorder_lvl number,Sell_price number,Cost_price number);

Table created.
```

Q2- Insert the following data into their respective tables:

Clientno	Name	city	pincode	state	bal.due
0001	Ivan	Bombay	400054	Maharashtra	15000
0002	Vandana	Madras	780001	Tamilnadu	0
0003	Pramada	Bombay	400057	Maharashtra	5000
0004	Basu	Bombay	400056	Maharashtra	0
0005	Ravi	Delhi	100001		2000
0006	Rukmini	Bombay	400050	Maharahstra	0

```
SQL> select *from client_master;

CLIENT NAME                    ADDRESS1
------ ------------------- ------------------------------
ADDRESS2                       CITY            STATE            PINCODE
------------------------------ --------------- --------------- ----------
   BAL_DUE
----------
0001   Ivan
                               Bombay          Maharashtra       400054
    15000

0002   Vandana
                               Madras          Tamilnadu         780001
        0

CLIENT NAME                    ADDRESS1
------ ------------------- ------------------------------
ADDRESS2                       CITY            STATE            PINCODE
------------------------------ --------------- --------------- ----------
   BAL_DUE
----------

0003   Pramada
                               Bombay          Maharashtra       400057
     5000

0004   Basu
                               Bombay          Maharashtra       400056
```

```
CLIENT NAME                ADDRESS1
------ ------------------- -------------------------------
ADDRESS2                   CITY            STATE           PINCODE
-------------------------- --------------- --------------- ----------
   BAL_DUE
----------
         0

0005   Ravi
                           Delhi                             100001
      2000

0006   Rukmini

CLIENT NAME                ADDRESS1
------ ------------------- -------------------------------
ADDRESS2                   CITY            STATE           PINCODE
-------------------------- --------------- --------------- ----------
   BAL_DUE
----------
                           Bombay          Maharashtra       400050
         0


6 rows selected.
```

Data for Product Master:

Product No.	Desciption	Profit %	Unit Percent	Qty measured	Reorder on hand	Sell lvl	Cost price
P00001	1.44floppies	5	piece	100	20	525	500
P03453	Monitors	6	piece	10	3	120000	11200
P06734	Mouse	5	piece	20	5	1050	500
P07865	1.22 floppies	5	piece	100	20	525	500
P07868	Keyboards	2	piece	10	3	3150	3050
P07885	CD Drive	2.5	piece	10	3	5250	5100
P07965	540 HDD	4	piece	10	3	8400	8000
P07975	1.44 Drive	5	piece	10	3	1050	1000
P08865	1.22 Drive	5	piece	2	3	1050	1000

```
SQL> select *from Product_master;

PRODUC DESCRIPTION                              PROFIT_PERCENT UNIT_M QTY_ON_HAND
------ ------------------------------ -------------- ------ -----------
REORDER_LVL SELL_PRICE COST_PRICE
----------- ---------- ----------
P00001 1.44floppies                                      5 piece             100
        20         525        500

P03453 Monitors                                          6 piece              10
         3     120000      11200

P06734 Mouse                                             5 piece              20
         5       1050        500


PRODUC DESCRIPTION                              PROFIT_PERCENT UNIT_M QTY_ON_HAND
------ ------------------------------ -------------- ------ -----------
REORDER_LVL SELL_PRICE COST_PRICE
----------- ---------- ----------
P07865 1.22 floppies                                     5 piece             100
        20         525        500

P07868 Keyboards                                         2 piece              10
         3       3150       3050

P07885 CD Drive                                        2.5 piece              10
         3       5250       5100


PRODUC DESCRIPTION                              PROFIT_PERCENT UNIT_M QTY_ON_HAND
------ ------------------------------ -------------- ------ -----------
REORDER_LVL SELL_PRICE COST_PRICE
----------- ---------- ----------
P07965 540 HDD                                           4 piece              10
         3       8400       8000

P07975 1.44 Drive                                        5 piece              10
         3       1050       1000

P08865 1.22 Drive                                        5 piece               2
         3       1050       1000


9 rows selected.
```

Q3:- On the basis of above two tables answer the following Questionries:

i) **Find out the names of all the clients.**

```
SQL> select Name from Client_master;

NAME
--------------------
Ivan
Vandana
Pramada
Basu
Ravi
Rukmini

6 rows selected.
```

ii) **Retrieve the list of names and cities of all the clients.**

```
SQL> select Name,city from Client_master;

NAME                 CITY
-------------------- ---------------
Ivan                 Bombay
Vandana              Madras
Pramada              Bombay
Basu                 Bombay
Ravi                 Delhi
Rukmini              Bombay

6 rows selected.
```

iii) List the various products available from the product_master table.

```
SQL> select Description from Product_master;

DESCRIPTION
------------------------------
1.44floppies
Monitors
Mouse
1.22 floppies
Keyboards
CD Drive
540 HDD
1.44 Drive
1.22 Drive

9 rows selected.
```

iv) List all the clients who are located in Bombay.

```
SQL> select Name from Client_master where city='Bombay';

NAME
--------------------
Ivan
Pramada
Basu
Rukmini
```

v)   Display the information for client no 0001 and 0002.

```
SQL> select * from Client_master where Client_no='0001' OR Client_no='0002' ;

CLIENT NAME                              ADDRESS1
------ ------------------     ------------------------------
ADDRESS2                              CITY            STATE              PINCODE
------------------------------  ---------------  ---------------  ----------
   BAL_DUE
----------
0001   Ivan
                                      Bombay          Maharashtra         400054
     15000

0002   Vandana
                                      Madras          Tamilnadu           780001
        0

CLIENT NAME                              ADDRESS1
------ ------------------     ------------------------------
ADDRESS2                              CITY            STATE              PINCODE
------------------------------  ---------------  ---------------  ----------
   BAL_DUE
----------
```

vi)   Find the products with description as '1.44 drive' and '1.22 Drive'.

```
SQL> select * from Product_master where Description='1.44 Drive' OR Description='1.22 Drive' ;

PRODUC DESCRIPTION                          PROFIT_PERCENT UNIT_M QTY_ON_HAND
------ ------------------------------  -------------- ------ ----------
REORDER_LVL SELL_PRICE COST_PRICE
----------- ---------- ----------
P07975 1.44 Drive                                    5 piece            10
         3        1050       1000

P08865 1.22 Drive                                    5 piece             2
         3        1050       1000
```

vii) Find all the products whose sell price is greater then 5000.

```
SQL> select  Description from Product_master where sell_price>5000;

DESCRIPTION
------------------------------
Monitors
CD Drive
540 HDD
```

viii) Find the list of all clients who stay in in city 'Bombay' or city 'Delhi' or 'Madras'.

```
SQL> select Name from Client_master where city='Bombay'OR city='Delhi' OR city='Madras';

NAME
--------------------
Ivan
Vandana
Pramada
Basu
Ravi
Rukmini

6 rows selected.
```

ix) Find the product whose selling price is greater than 2000 and less than or equal to 5000.

```
SQL> select  Description from Product_master where sell_price>2000 AND sell_price<=5000;

DESCRIPTION
------------------------------
Keyboards
```

x) List the name, city and state of clients not in the state of 'Maharashtra'.

```
SQL> select Name,city,state from Client_master where state!='Maharashtra';

NAME                 CITY             STATE
-------------------- ---------------- ---------------
Vandana              Madras           Tamilnadu
```

Course Coordinator

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