**ASSIGNMENT :-3**

**---------------------------------------------------------------------------------------------------**

**PROBLEM STATEMENTS:**Consider database created in assignment 1 to design SQL queries using SQL DML

satatements : Insert, Select, Update, Delete with operators, function and set operator.

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**A) Exercise on retrieving records from a table.**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**1) Find the name of all Client.**

mysql> select name from CLIENT\_MASTER;

+----------------+

| name |

+----------------+

| IVAN BAYROSS |

| MAMTA MUZUMDAR |

| CHHAYA BANKER |

| ASHWINI JOSHI |

| HANSEL COLACO |

| DIPAK SHARMA |

+----------------+

6 rows in set (0.00 sec)

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**2) Retrieve the contents of the CLIENT\_MASTER table.**

mysql> SELECT \* FROM CLIENT\_MASTER;

+-----------+----------------+-----------+------------+-----------+---------+-------------+----------+-----------+

| CLIENT\_NO | NAME | ADDRESS1 | ADDRESS2 | CITY | PINCODE | STATE | BAL\_DUE | TELEPHONE |

+-----------+----------------+-----------+------------+-----------+---------+-------------+----------+-----------+

| C00001 | IVAN BAYROSS | NASHIK | YEOLA | MUMBAI | 400054 | MAHARASHTRA | 15000.00 | NULL |

| C00002 | MAMTA MUZUMDAR | NIMANI | CBS | MADRAS | 780001 | TAMIL NADU | 0.00 | NULL |

| C00003 | CHHAYA BANKER | DWARKA | ASHOKNAGAR | MUMBAI | 400057 | MAHARASHTRA | 5000.00 | NULL |

| C00004 | ASHWINI JOSHI | RK | SHALIMAR | BANGALORE | 560001 | KARNATAKA | 0.00 | NULL |

| C00005 | HANSEL COLACO | KOPARGAON | LASLGAON | MUMBAI | 400060 | MAHARASHTRA | 2000.00 | NULL |

| C00006 | DIPAK SHARMA | VAIJAPUR | VINCHUR | BANGALORE | 560050 | KARNATAKA | 0.00 | NULL |

+-----------+----------------+-----------+------------+-----------+---------+-------------+----------+-----------+

6 rows in set (0.00 sec)

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**3) Retrieve the list of names, city, and the sates of the clients.**

mysql> SELECT NAME,CITY,STATE FROM CLIENT\_MASTER;

+----------------+-----------+-------------+

| NAME | CITY | STATE |

+----------------+-----------+-------------+

| IVAN BAYROSS | MUMBAI | MAHARASHTRA |

| MAMTA MUZUMDAR | MADRAS | TAMIL NADU |

| CHHAYA BANKER | MUMBAI | MAHARASHTRA |

| ASHWINI JOSHI | BANGALORE | KARNATAKA |

| HANSEL COLACO | MUMBAI | MAHARASHTRA |

| DIPAK SHARMA | BANGALORE | KARNATAKA |

+----------------+-----------+-------------+

6 rows in set (0.00 sec)

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**4) List the various products available from the Product\_Master tabel.**

mysql> SELECT DESCRIPTION FROM PRODUCT\_MASTER;

+--------------+

| DESCRIPTION |

+--------------+

| T-SHIRTS |

| SHIRTS |

| COTTON JEANS |

| JEANS |

| TROUSERS |

| PULL **OVERS** |

| DEIM SHIRTS |

| LYCRA TOPS |

| SKIRTS |

+--------------+

9 rows in set (0.01 sec)

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**5) List all the Client who are located in Mumbai.**

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

+-----------+---------------+-----------+------------+--------+---------+-------------+----------+-----------+

| CLIENT\_NO | NAME | ADDRESS1 | ADDRESS2 | CITY | PINCODE | STATE | BAL\_DUE | TELEPHONE |

+-----------+---------------+-----------+------------+--------+---------+-------------+----------+-----------+

| C00001 | IVAN BAYROSS | NASHIK | YEOLA | MUMBAI | 400054 | MAHARASHTRA | 15000.00 | NULL |

| C00003 | CHHAYA BANKER | DWARKA | ASHOKNAGAR | MUMBAI | 400057 | MAHARASHTRA | 5000.00 | NULL |

| C00005 | HANSEL COLACO | KOPARGAON | LASLGAON | MUMBAI | 400060 | MAHARASHTRA | 2000.00 | NULL |

+-----------+---------------+-----------+------------+--------+---------+-------------+----------+-----------+

3 rows in set (0.00 sec)

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

mysql> SELECT SALESMAN\_NAME FROM Sman\_mast WHERE SAL\_AMT = '3000';

+---------------+

| SALESMAN\_NAME |

+---------------+

| AMAN |

| OMKAR |

| RAJ |

| ASHISH |

+---------------+

4 rows in set (0.00 sec)

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**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**B) Exercise on updating records in a table.**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**1) Change the city of ClientNo C00005 to 'Bangalore'.**

mysql> UPDATE CLIENT\_MASTER SET CITY='BANGLORE' WHERE CLIENT\_NO='C00005';

Query OK, 1 row affected (0.06 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> SELECT CLIENT\_NO,CITY FROM CLIENT\_MASTER WHERE CITY='BANGLORE';

+-----------+----------+

| CLIENT\_NO | CITY |

+-----------+----------+

| C00005 | BANGLORE |

+-----------+----------+

1 row in set (0.00 sec)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**2) Change the BalDue of ClientNo C00001 to Rs.1000.**

mysql> UPDATE CLIENT\_MASTER SET BAL\_DUE='1000' WHERE CLIENT\_NO='C00001';

Query OK, 1 row affected (0.08 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> SELECT CLIENT\_NO,BAL\_DUE FROM CLIENT\_MASTER WHERE BAL\_DUE='1000';

+-----------+---------+

| CLIENT\_NO | BAL\_DUE |

+-----------+---------+

| C00001 | 1000.00 |

+-----------+---------+

1 row in set (0.00 sec)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**3) Change the Cost Price of Trouser to Rs.950.00.**

mysql> UPDATE PRODUCT\_MASTER SET COST\_PRICE = '950.00' WHERE DESCRIPTION='TROUSERS';

Query OK, 1 row affected (0.06 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> SELECT DESCRIPTION,COST\_PRICE FROM PRODUCT\_MASTER WHERE DESCRIPTION='TROUSERS';

+-------------+------------+

| DESCRIPTION | COST\_PRICE |

+-------------+------------+

| TROUSERS | 950.00 |

+-------------+------------+

1 row in set (0.00 sec)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

mysql> UPDATE Sman\_mast SET CITY='PUNE';

Query OK, 4 rows affected (0.09 sec)

Rows matched: 4 Changed: 4 Warnings: 0

mysql> SELECT CITY FROM Sman\_mast;

+------+

| CITY |

+------+

| PUNE |

| PUNE |

| PUNE |

| PUNE |

+------+

4 rows in set (0.01 sec)

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**C) Exercise on deleting records in table.**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**1) Delete all salesman from the salesman\_master where salary are equal to Rs. 3500.**

mysql> DELETE FROM Sman\_mast WHERE SAL\_AMT=3500;

Query OK, 0 rows affected (0.02 sec)

mysql> SELECT \* FROM Sman\_mast WHERE SAL\_AMT=3500;

Empty set (0.00 sec)

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**2) Delete all Products from Product\_Master where qty\_on\_hand is equal to 100.**

mysql> DELETE FROM PRODUCT\_MASTER WHERE QTY\_ON\_HAND=100;

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**3) Delete from Client\_Master where the cloumn satet holds the value 'Tamil Nadu'.**

DELETE FROM CLIENT\_MASTER WHERE CITY='TAMILNADU';

Query OK, 0 rows affected (0.00 sec)

mysql> SELECT \* FROM CLIENT\_MASTER WHERE CITY='TAMILNADU';

Empty set (0.00 sec)

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**D) Perform the following computations on the table data.**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**1) List the name of all client having 'a' as the second letter in their names.**

mysql> SELECT NAME FROM CLIENT\_MASTER WHERE NAME LIKE'\_a%';

+----------------+

| NAME |

+----------------+

| MAMTA MUZUMDAR |

| HANSEL COLACO |

+----------------+

2 rows in set (0.00 sec)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**2) List the client who stay in in the city whose first letter is 'M'.**

mysql> SELECT NAME,CITY FROM CLIENT\_MASTER WHERE CITY LIKE'M%';

+----------------+--------+

| NAME | CITY |

+----------------+--------+

| IVAN BAYROSS | MUMBAI |

| MAMTA MUZUMDAR | MADRAS |

| CHHAYA BANKER | MUMBAI |

+----------------+--------+

3 rows in set (0.00 sec)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**3) List all clients who stays in 'Banglore' or 'Manglore'.**

mysql> SELECT NAME,CITY FROM CLIENT\_MASTER WHERE CITY LIKE'BANGLORE' OR CITY LIKE'MANGALORE';

+---------------+----------+

| NAME | CITY |

+---------------+----------+

| HANSEL COLACO | BANGLORE |

+---------------+----------+

1 row in set (0.00 sec)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**4) List all the clients whose Bal\_due is greater than value 10000.**

mysql> SELECT \* FROM CLIENT\_MASTER WHERE BAL\_DUE > 10000;

Empty set (0.00 sec)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**5) List all information from the Sales\_Order table for Orders placed in month of june.**

mysql> SELECT \* FROM SALES\_ORDER WHERE ORDER\_DATE LIKE '\_\_\_\_\_06%' ;

+----------+-----------+------------+-----------+-------------+-----------+--------+------------+--------------+

| ORDER\_NO | CLIENT\_NO | ORDER\_DATE | DELY\_ADDR | SALESMAN\_NO | DELY\_TYPE | BILLYN | DELY\_DATE | ORDER\_STATUS |

+----------+-----------+------------+-----------+-------------+-----------+--------+------------+--------------+

| O19001 | C00001 | 2004-06-12 | NASHIK | S00001 | F | N | 2002-07-20 | In Process |

| O19002 | C00002 | 2004-06-25 | NASHIK | S00002 | P | N | 2002-06-27 | Cancelled |

+----------+-----------+------------+-----------+-------------+-----------+--------+------------+--------------+

2 rows in set, 1 warning (0.00 sec)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**6) List the order information for ClientNO 'C00001' and 'C00002'.**

mysql> SELECT \* FROM SALES\_ORDER WHERE CLIENT\_NO IN('C00001','C00002');

+----------+-----------+------------+-----------+-------------+-----------+--------+------------+--------------+

| ORDER\_NO | CLIENT\_NO | ORDER\_DATE | DELY\_ADDR | SALESMAN\_NO | DELY\_TYPE | BILLYN | DELY\_DATE | ORDER\_STATUS |

+----------+-----------+------------+-----------+-------------+-----------+--------+------------+--------------+

| O19001 | C00001 | 2004-06-12 | NASHIK | S00001 | F | N | 2002-07-20 | In Process |

| O19002 | C00002 | 2004-06-25 | NASHIK | S00002 | P | N | 2002-06-27 | Cancelled |

| O19003 | C00001 | 2004-04-03 | NASHIK | S00001 | F | Y | 2002-04-07 | Fulfilled |

+----------+-----------+------------+-----------+-------------+-----------+--------+------------+--------------+

3 rows in set (0.00 sec)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**7) List the products whose selling price is greater than 500 and less than or equal to 750.**

mysql> SELECT \* FROM PRODUCT\_MASTER WHERE SELL\_PRICE>500 AND SELL\_PRICE<=750;

+------------+--------------+-----------------+--------------+-------------+-------------+------------+------------+

| PRODUCT\_NO | DESCRIPTION | PROFIT\_PERSCENT | UNIT\_MEASURE | QTY\_ON\_HAND | REORDER\_LVL | SELL\_PRICE | COST\_PRICE |

+------------+--------------+-----------------+--------------+-------------+-------------+------------+------------+

| P06734 | COTTON JEANS | 5.00 | PIECE | 100 | 20 | 600.00 | 450.00 |

| P07865 | JEANS | 5.00 | PIECE | 100 | 20 | 750.00 | 500.00 |

| P07885 | PULL OVERS | 2.50 | PIECE | 80 | 30 | 700.00 | 450.00 |

+------------+--------------+-----------------+--------------+-------------+-------------+------------+------------+

3 rows in set (0.00 sec)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**8) List products whose selling price is more than 500 and less than or equal to 750.**

mysql> SELECT \* FROM PRODUCT\_MASTER WHERE SELL\_PRICE>500 AND SELL\_PRICE<=750;

+------------+--------------+-----------------+--------------+-------------+-------------+------------+------------+

| PRODUCT\_NO | DESCRIPTION | PROFIT\_PERSCENT | UNIT\_MEASURE | QTY\_ON\_HAND | REORDER\_LVL | SELL\_PRICE | COST\_PRICE |

+------------+--------------+-----------------+--------------+-------------+-------------+------------+------------+

| P06734 | COTTON JEANS | 5.00 | PIECE | 100 | 20 | 600.00 | 450.00 |

| P07865 | JEANS | 5.00 | PIECE | 100 | 20 | 750.00 | 500.00 |

| P07885 | PULL OVERS | 2.50 | PIECE | 80 | 30 | 700.00 | 450.00 |

+------------+--------------+-----------------+--------------+-------------+-------------+------------+------------+

3 rows in set (0.00 sec)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**9) List products whose selling price is more than 500., Calculate a new selling price as,**

**original selling price \*.15. Rename the new column in the output of the above query as new\_price.**

mysql> SELECT DESCRIPTION, SELL\_PRICE\*0.15 “NEW\_PRICE” FROM PRODUCT\_MASTER WHERE SELL\_PRICE > 500;

+--------------+-----------------+

| DESCRIPTION | “NEW\_PRICE” |

+--------------+-----------------+

| COTTON JEANS | 90.00 |

| JEANS | 112.50 |

| TROUSERS | 127.50 |

| PULL OVERS | 105.00 |

+--------------+-----------------+

4 rows in set (0.00 sec)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**10) List the Names, City, and State of clients who are not in the state of 'Maharashtra'.**

mysql> SELECT NAME,CITY,STATE FROM CLIENT\_MASTER WHERE STATE<> 'MAHARASHTRA';

+----------------+-----------+------------+

| NAME | CITY | STATE |

+----------------+-----------+------------+

| MAMTA MUZUMDAR | MADRAS | TAMIL NADU |

| ASHWINI JOSHI | BANGALORE | KARNATAKA |

| DIPAK SHARMA | BANGALORE | KARNATAKA |

+----------------+-----------+------------+

3 rows in set (0.00 sec)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**11) Count total number of all the products.**

mysql> SELECT COUNT(\*) "TOTAL\_NO\_OF\_PRODUCTS" FROM PRODUCT\_MASTER;

+----------------------+

| TOTAL\_NO\_OF\_PRODUCTS |

+----------------------+

| 9 |

+----------------------+

1 row in set (0.01 sec)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**12) Calculate the average price of all the products.**

mysql> SELECT AVG(SELL\_PRICE)"AVERAGE\_PRICE" FROM PRODUCT\_MASTER;

+---------------+

| AVERAGE\_PRICE |

+---------------+

| 538.888889 |

+---------------+

1 row in set (0.00 sec)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**13) Determine the maximum and minimum product prices. Rename the output as max\_price**

**and min\_price respectively.**

mysql> SELECT MAX(SELL\_PRICE)"MAX\_PRICE" FROM PRODUCT\_MASTER;

+-----------+

| MAX\_PRICE |

+-----------+

| 850.00 |

+-----------+

1 row in set (0.00 sec)

mysql> SELECT MIN(SELL\_PRICE)"MIN\_PRICE" FROM PRODUCT\_MASTER;

+-----------+

| MIN\_PRICE |

+-----------+

| 300.00 |

+-----------+

1 row in set (0.00 sec)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**14) Count the number of products having price less than or equal to 500.**

mysql> SELECT COUNT(SELL\_PRICE) FROM PRODUCT\_MASTER WHERE SELL\_PRICE<=500;

+-------------------+

| COUNT(SELL\_PRICE) |

+-------------------+

| 5 |

+-------------------+

1 row in set (0.00 sec)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**15) List all the products whose QtyonHand is less than reorder level.**

mysql> SELECT DESCRIPTION FROM PRODUCT\_MASTER WHERE QTY\_ON\_HAND<REORDER\_LVL;

Empty set (0.00 sec)

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**E) Exercise on Date Manupulation.**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**1) List the order number and day on which clients placed their order.**

mysql> SELECT ORDER\_NO,DAYNAME(ORDER\_DATE) FROM SALES\_ORDER;

+----------+---------------------+

| ORDER\_NO | DAYNAME(ORDER\_DATE) |

+----------+---------------------+

| O19001 | Saturday |

| O19002 | Friday |

| O19003 | Saturday |

| O19008 | Monday |

| O46865 | Wednesday |

| O46866 | Thursday |

+----------+---------------------+

6 rows in set (0.02 sec)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**2) List the month(in alphabhets) and date when the orders must be delivered.**

mysql> SELECT ORDER\_NO,MONTHNAME(DELY\_DATE),DAY(DELY\_DATE) FROM SALES\_ORDER;

+----------+----------------------+----------------+

| ORDER\_NO | MONTHNAME(DELY\_DATE) | DAY(DELY\_DATE) |

+----------+----------------------+----------------+

| O19001 | July | 20 |

| O19002 | June | 27 |

| O19003 | April | 7 |

| O19008 | July | 26 |

| O46865 | February | 20 |

| O46866 | May | 22 |

+----------+----------------------+----------------+

6 rows in set (0.00 sec)

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**3) List the OrderDate in the format 'DD-MM-YY'. Eg. 12-February-02.**

mysql> SELECT ORDER\_NO,DATE\_FORMAT(ORDER\_DATE,'%d-%M-%y') FROM SALES\_ORDER;

+----------+------------------------------------+

| ORDER\_NO | DATE\_FORMAT(ORDER\_DATE,'%d-%M-%y') |

+----------+------------------------------------+

| O19001 | 12-June-04 |

| O19002 | 25-June-04 |

| O19003 | 03-April-04 |

| O19008 | 24-May-04 |

| O46865 | 18-February-04 |

| O46866 | 20-May-04 |

+----------+------------------------------------+

6 rows in set (0.00 sec)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**4) List the date, 15 days after today's date.**

mysql> SELECT CURDATE();

+------------+

| CURDATE() |

+------------+

| 2017-09-05 |

+------------+

1 row in set (0.00 sec)

mysql> SELECT DATE\_ADD(CURDATE(),INTERVAL 15 DAY);

+-------------------------------------+

| DATE\_ADD(CURDATE(),INTERVAL 15 DAY) |

+-------------------------------------+

| 2017-09-20 |

+-------------------------------------+

1 row in set (0.00 sec)

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***