# Assignment No.1

**Question :**

1. Update customer table set city is new delhi where city is mumbai.

2. Describe structure of of table customer.

1. Delete from table customer where cit is new delhi.
2. Alter table customer add column zipcode varchar2(12)
3. Drop table costomer.

create table customer(

id varchar2(6) primary key, name varchar2(20),

phone varchar2(20), address varchar2(20), city varchar2(20), stat2 varchar2(10));

insert into customer values('001','dharmendra','9654084939','mohannagar','gzb','up') insert into customer values('002','ravi','945454545','rajendra nagar','delhi','delhi') insert into customer values('003','puneet','966565456','sheelam pur','delhi','delhi') insert into customer values('004','vinod kumar','9665456564','vijay nagar','gzb','up') insert into customer values('005','harsh','9667657657','muradnagar','gzb','up')

insert into customer values('006','vinit kumar','9654044354','puna','puna','maharasth') insert into customer values('007','sonia','9654084349','mohannagar','gzb','up')

insert into customer values('008','seema','9654084349','hempur','mumbai','up') select \* from customer

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **id** | **name** | **phone** | **address** | **city** | **stat 2** |
| 001 | dharmendra | 9654084939 | mohannagar | gzb | up |
| 002 | ravi | 945454545 | rajendra nagar | delhi | delhi |
| 003 | puneet | 966565456 | sheelam pur | delhi | delhi |
| 004 | vinod kumar | 9665456564 | vijay nagar | gzb | up |
| 005 | harsh | 9667657657 | muradnagar | gzb | up |
| 006 | vinit kumar | 9654044354 | puna | puna | maharasth |
| 007 | sonia | 9654084349 | mohannagar | gzb | up |
|  |  |  |  |  |  |

1. update customer set city='delhi' where city='mumbai'

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **table** | **column** | **data type** | **length** | **precision** | **scale** | **primary** | **key** | **nullable** | **default** | **comment** | |
| customer | id | varchar2 | 6 | - | - | 1 | - | | - | - |  |
|  | name | varchar2 | 20 | - | - | - |  | | - | - |  |
|  | phone | varchar2 | 20 | - | - | - |  | | - | - |  |
|  | address | varchar2 | 20 | - | - | - |  | | - | - |  |
|  | city | varchar2 | 20 | - | - | - |  | | - | - |  |
|  | stat2 | varchar2 | 10 | - | - | - |  | | - | - |  |
|  | zipcode | varchar2 | 12 | - | - | - |  | | - | - |  |
|  | | | | | | | | | 1 - 7 | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **table** | **column** | **data type** | **length** | **precision** | **scale** | **primary** | **key** | **nullable** | **default** | **comment** | |
| customer | id | varchar2 | 6 | - | - | 1 | - | | - | - |  |
|  | name | varchar2 | 20 | - | - | - |  | | - | - |  |
|  | phone | varchar2 | 20 | - | - | - |  | | - | - |  |
|  | address | varchar2 | 20 | - | - | - |  | | - | - |  |
|  | city | varchar2 | 20 | - | - | - |  | | - | - |  |
|  | stat2 | varchar2 | 10 | - | - | - |  | | - | - |  |
| 4. alter table customer add zipcode varchar2(12) | | | | | | | | | 1 - 6 | |  |

1. desc customer

|  |  |
| --- | --- |
| **name** | **city** |
| dharmendra | gzb |
| ravi | delhi |
| puneet | delhi |
| vinod kumar | gzb |
| harsh | gzb |
| vinit kumar | puna |
| sonia | gzb |
| seema | delhi |

1. alter table customer add zipcode varchar2(12)

5. drop table customer

# Assignment No.2

## Q1. Create the following tables:

1. **client\_master**

columnname datatype size

|  |  |  |
| --- | --- | --- |
| client\_no | varchar2 | 6 |
| name | varchar2 | 20 |
| address1 | varchar2 | 30 |
| address2 | varchar2 | 30 |
| city | varchar2 | 15 |
| pincode | number 6 | 15 |
| bal\_due | number 10,2 |  |

## 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

## 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 | Delhi | 2000 |
| 0006 | Rukmini | Bombay | 400050 | Maharashtra | 0 |

**Data for Product Master:**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Product No. | Desciption Percent | Profit % measured | | Unit Qty on hand lvl | | Reorder  price | | Sell price | Cost | |
| P00001 | 1.44floppies | | 5 | piece | 100 | | 20 | 525 | | 500 |
| P03453 | Monitors | | 6 | piece | 10 | | 3 | 12000 | | 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 |

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

1. Find out the names of all the clients.
2. Retrieve the list of names and cities of all the clients.
3. List the various products available from the product\_master table.
4. List all the clients who are located in Bombay.
5. Display the information for client no 0001 and 0002.
6. Find the products with description as ‘1.44 drive’ and ‘1.22 Drive’.
7. Find all the products whose sell price is greater then 5000.
8. Find the list of all clients who stay in in city ‘Bombay’ or city ‘Delhi’ or ‘Madras’.
9. Find the product whose selling price is greater than 2000 and less than or equal to 5000.
10. List the name, city and state of clients not in the state of ‘Maharashtra’.

Queries 1.

1. create table client\_master( client\_no varchar(6) primary key,

name varchar (20),

address1 varchar(30),

address2 varchar(30),

city varchar (15),

state varchar (15),

pincode int (6),

bal\_due decimal (10, 2) );

1. create table Product\_master (

Product\_no varchar (6),

Description varchar (30),

Profit\_percent decimal (3,2),

Unit\_measure varchar (10),

Oty\_on\_hand int(6),

Reoder\_Ivl int(4),

Sell\_price decimal (10,2),

Cost decimal (10,2));

Queries 2.

i.

INSERT INTO client\_master (client\_no, name, city, pincode, state, bal\_due)

VALUES

('0001', 'Ivan', 'Bombay', '400054', 'Maharashtra', '15000'),

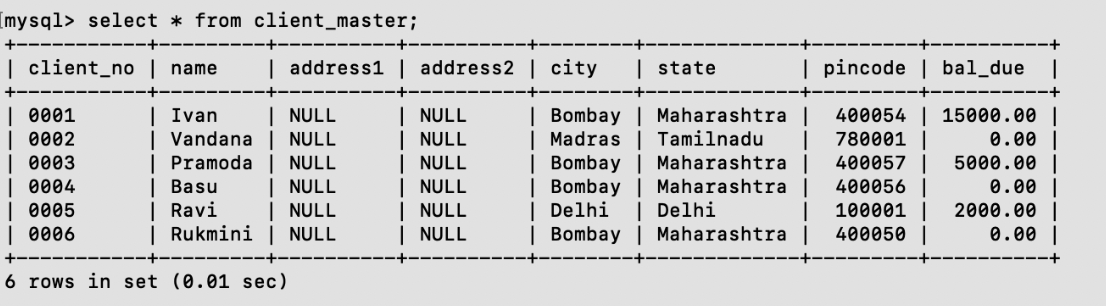
('0002', 'Vandana', 'Madras', '780001', 'Tamilnadu', '0'),

('0003', 'Pramoda', 'Bombay', '400057', 'Maharashtra', '5000'),

('0004', 'Basu', 'Bombay', '400056', 'Maharashtra', '0'),

('0005', 'Ravi', 'Delhi', '100001', 'Delhi', '2000'),

('0006', 'Rukmini', 'Bombay', '400050', 'Maharashtra', '0');



ii.

INSERT INTO Product\_master

(Product\_no, Description, Profit\_percent, Unit\_measure, Qty\_on\_hand, Reorder\_lvl, Sell\_price, Cost\_price)

VALUES

('P00001', '1.44floppies', 5, 'piece', 100, 20, 525, 500),

('P03453', 'Monitors', 6, 'piece', 10, 3, 12000, 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),

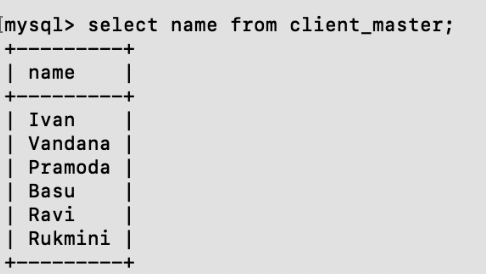
('P07975', '1.44 Drive', 5, 'piece', 10, 3, 1050, 1000),

('P08865', '1.22 Drive', 5, 'piece', 2, 3, 1050, 1000);

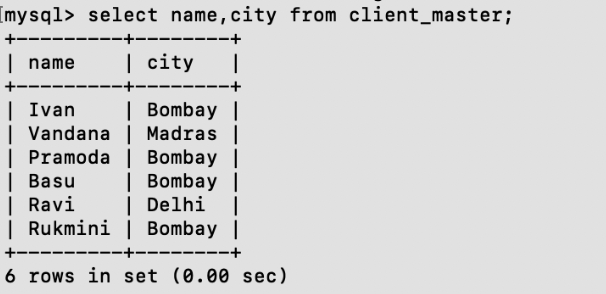


**Queries 3.**

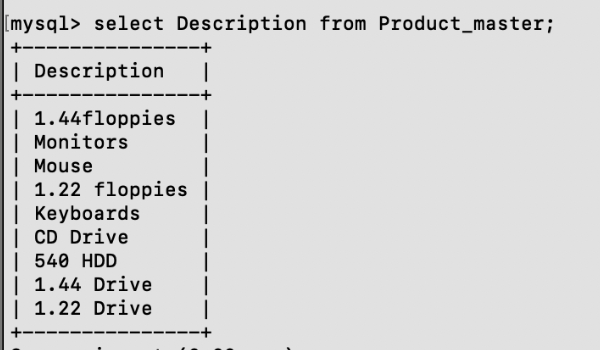
1. select name from client\_master;



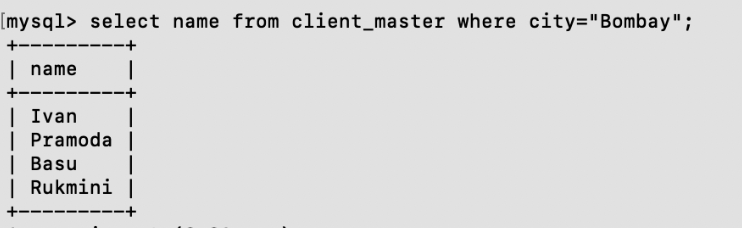
1. select name, city from client\_master;



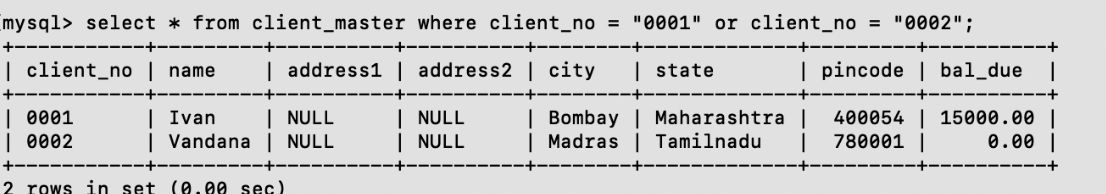
1. select Description from Product\_master;



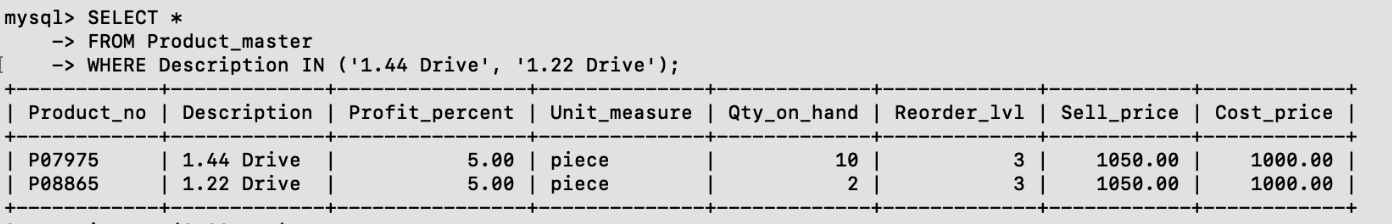
1. select name from client\_master where city="Bombay";



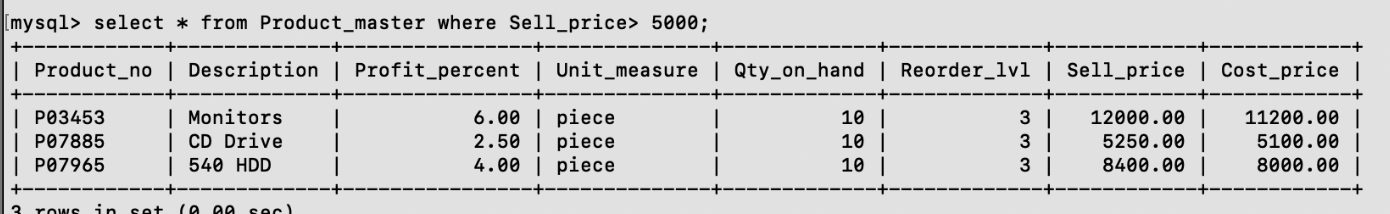
1. select \* from client\_ master where client\_no = or or client\_no = "0002";



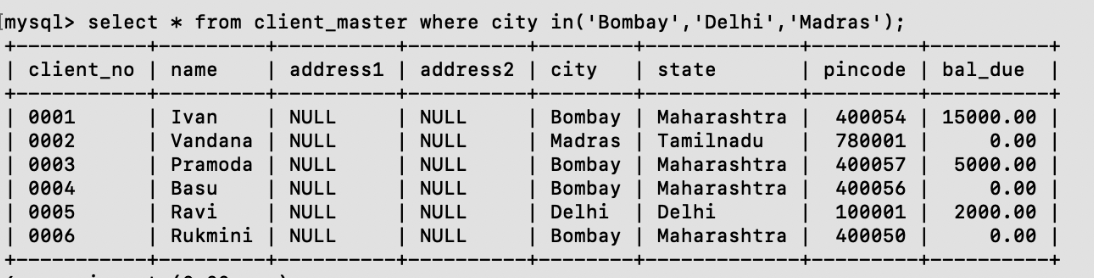
1. select \* from Product\_master where Description="1.44 drive" or Description="1.22 Drive";



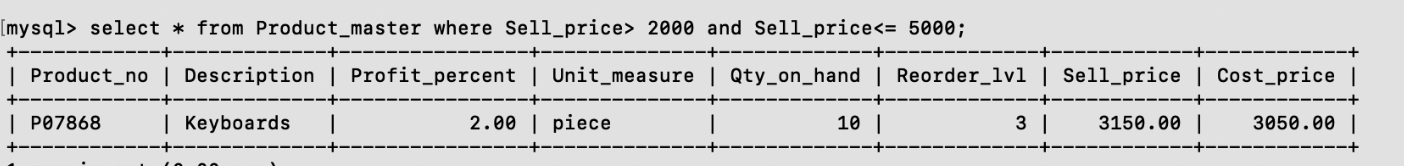
1. select \* from Product\_master where Sell\_price> 5000;



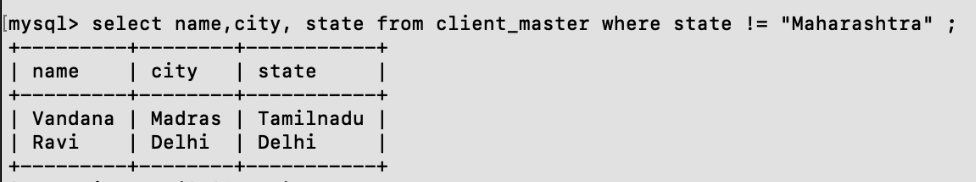
1. select \* from client\_master where city in( 'Bombay', 'Delhi', 'Madras');



1. select \* from Product\_master where Sell\_price> 2000 and Sell\_price<= 5000;



1. select \* from client\_master where state != "Maharashtra" ;



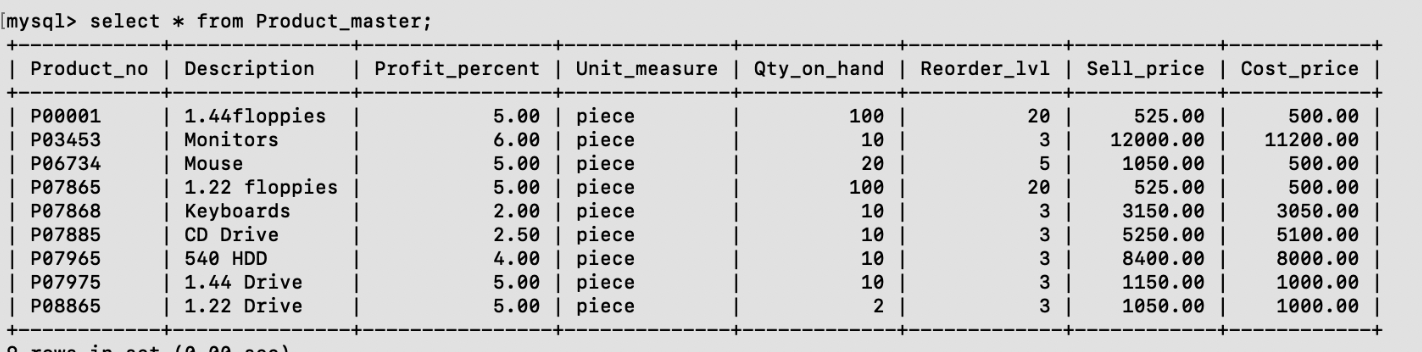
# Assignment No3

## Que.1 Using the table client master and product master answer the following queries.

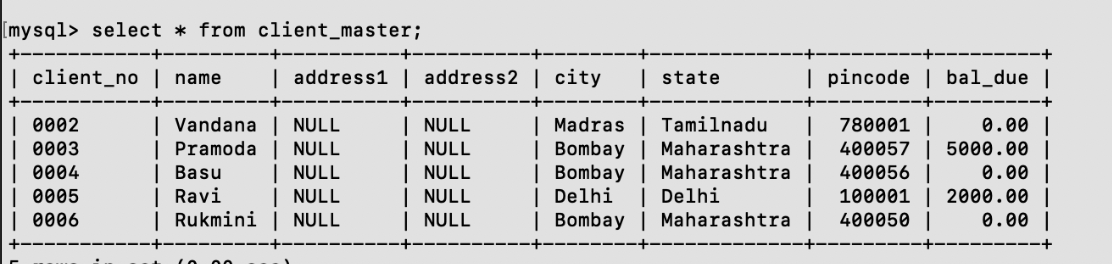
1. Change the selling price of ‘1.44 floppy drive to Rs.1150.00
2. Delete the record with client 0001 from the client master table.
3. Change the city of client\_no’0005’ to Bombay.
4. Change the bal\_due of client\_no ‘0001, to 1000.
5. Find the products whose selling price is more than 1500 and also find the new selling price as original selling price \*15.
6. Find out the clients who stay in a city whose second letter is a.
7. Find out the name of all clients having ‘a’ as the second letter in their names.
8. List the products in sorted order of their description.
9. Count the total number of orders
10. Calculate the average price of all the products.
11. Calculate the minimum price of products.
12. Determine the maximum and minimum prices . Rename the tittle as ‘max\_price’ and min\_price respectively.
13. Count the number of products having price greater than or equal to 1500.

**Queries:**

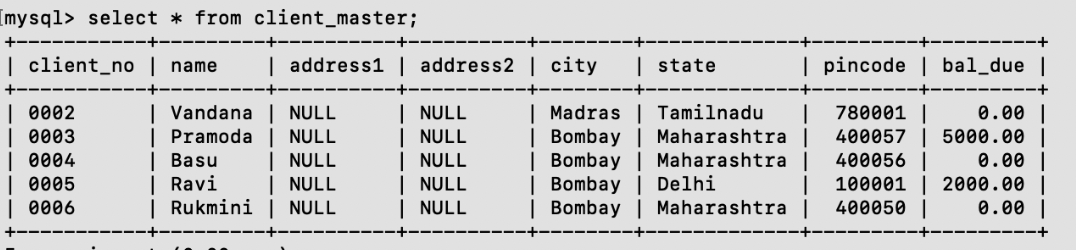
1. update Product\_master set Sell\_price=1150.00 where Description = '1.44 drive';



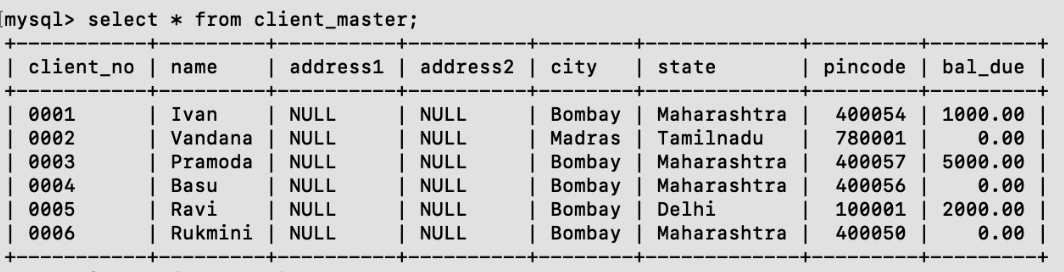
1. delete from client\_master where client\_no='0001';



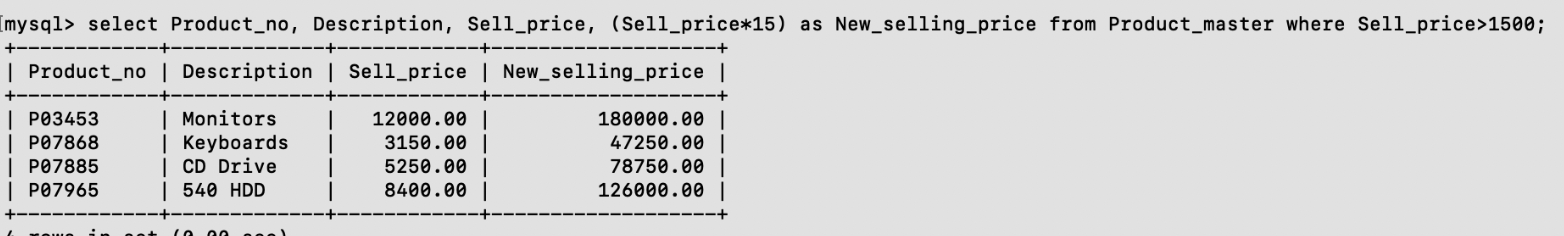
1. update client\_master set city = 'Bombay' where client\_no='0005';



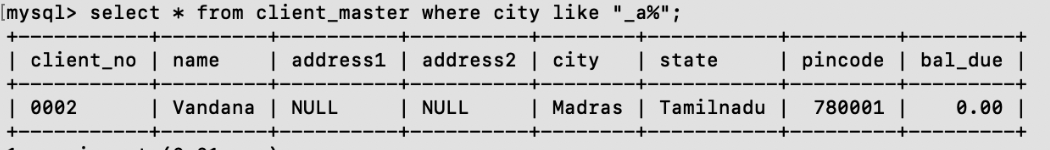
1. update client\_master set bal\_due = 1000 where client\_no='0001';



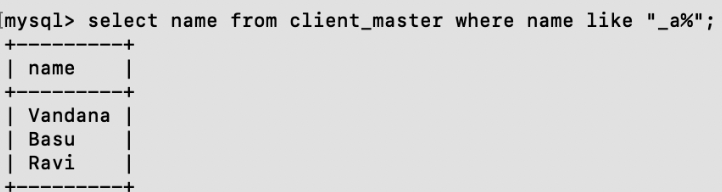
1. select Product\_no, Description, Sell\_price, (Sell\_price\*15) as New\_selling\_price from Product\_master where Sell\_price>1500;



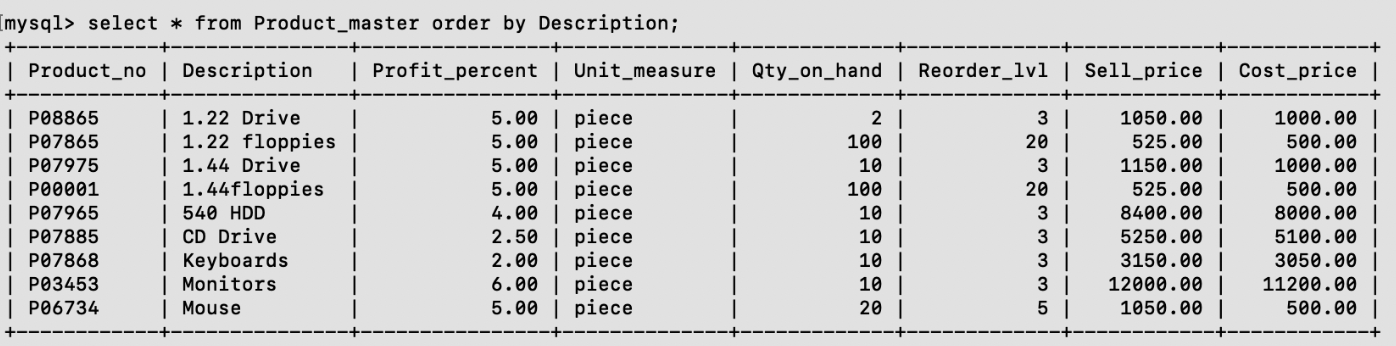
1. select \* from client \_master where city like "\_a%" ;



1. select name from client\_master where name like "\_a%" ;



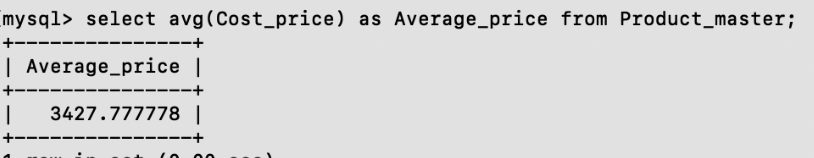
1. select \* from Product\_master order by Description;



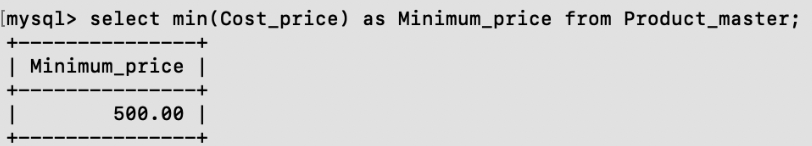
1. select sum(Qty\_on\_hand) as Total\_number\_of\_orders from Product\_master;



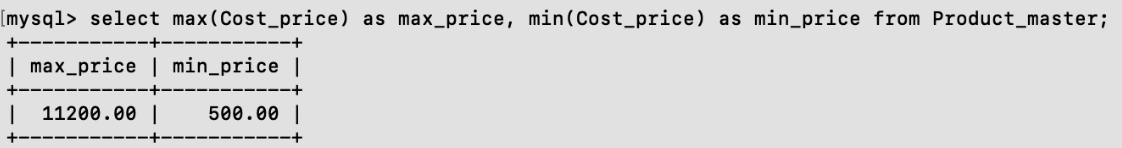
1. select avg(Cost\_price) as Average\_price from Product\_master;



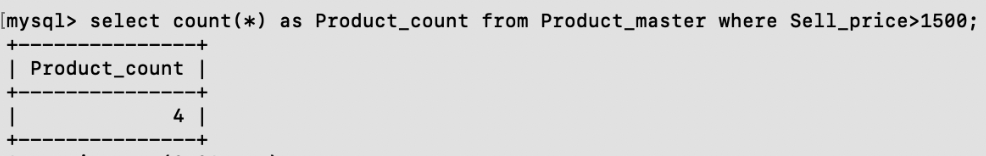
1. select min (Cost\_price) as Minimum\_price from Product\_master;



1. select max(Cost\_price) as max\_price, min (Cost\_price) as min\_price from Product\_master;



1. select count(\*) as Product\_count from Product\_master where Sell\_price>1500;



# Assignment No.4

**Question :**

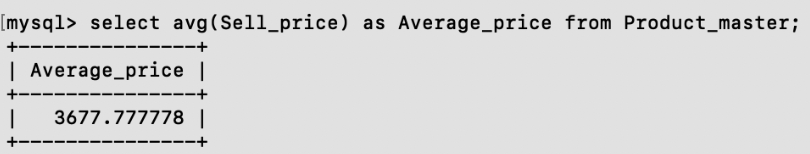
* 1. Find average sell-price from product\_master.
  2. Find minimum of balance due from client-master.
  3. Find the number of products from product-master.
  4. Find no of rows in table client\_master.
  5. Find total balance due from client\_master.
  6. Find absolute value of (-15).
  7. Find square of 3.

8 Find round (15.19,1).

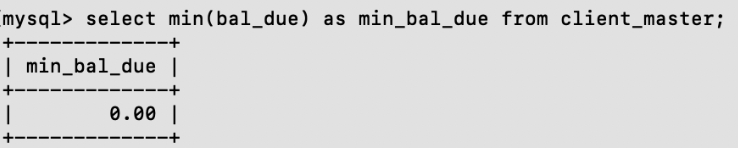
1. Find square root of 25.
2. Find lower case of ‘MTECH”.
3. Find upper case of “gentleman”.
4. Write in proper case ‘MTECH”.

Queries:

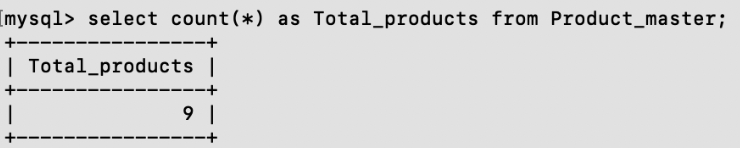
1. select avg(Sell\_price) as Average\_price from Product\_master;



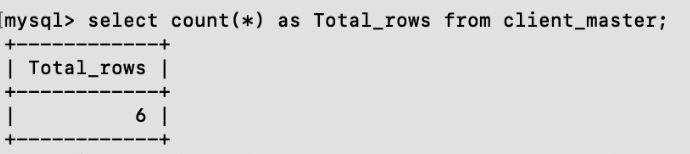
1. select min(bal\_due) as min\_bal\_due from client\_master;



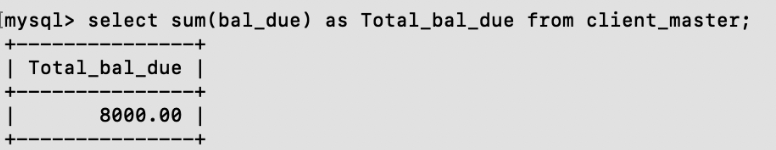
1. select count(\*) as Total\_products from Product\_master;



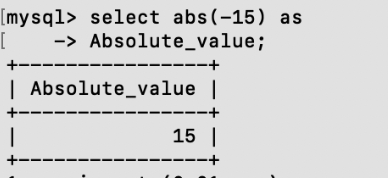
1. select count(\*) as Total\_rows from client\_master;



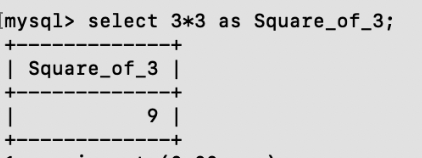
1. select sum (bal\_due) as Total\_bal\_due from client\_master;



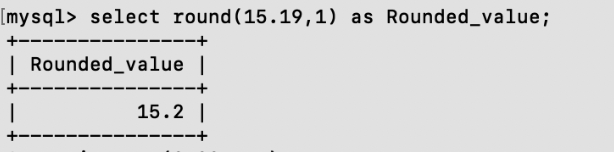
1. select abs(-15) as Absolute\_value;



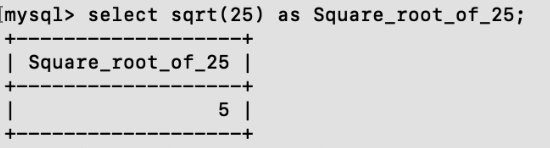
1. select 3\*3 as Square\_of\_3;



1. select round (15.19,1) as Rounded\_value;



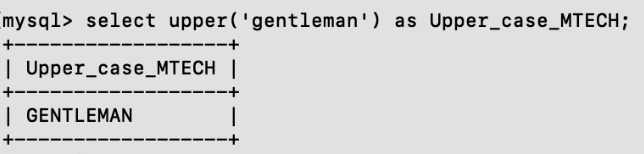
1. select sqrt(25) as Square\_root\_of\_25;



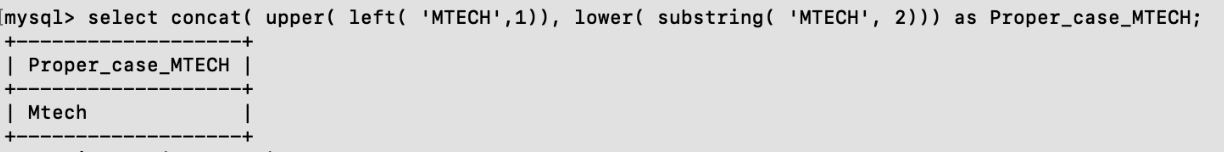
1. select lower ('MTECH') as Lower\_case\_MTECH;



1. select upper( 'gentleman') as Upper\_case\_MTECH;



1. select concat( upper( left( 'MTECH', 1)), lower ( substring( 'MTECH', 2))) as Proper\_case\_MTECH;



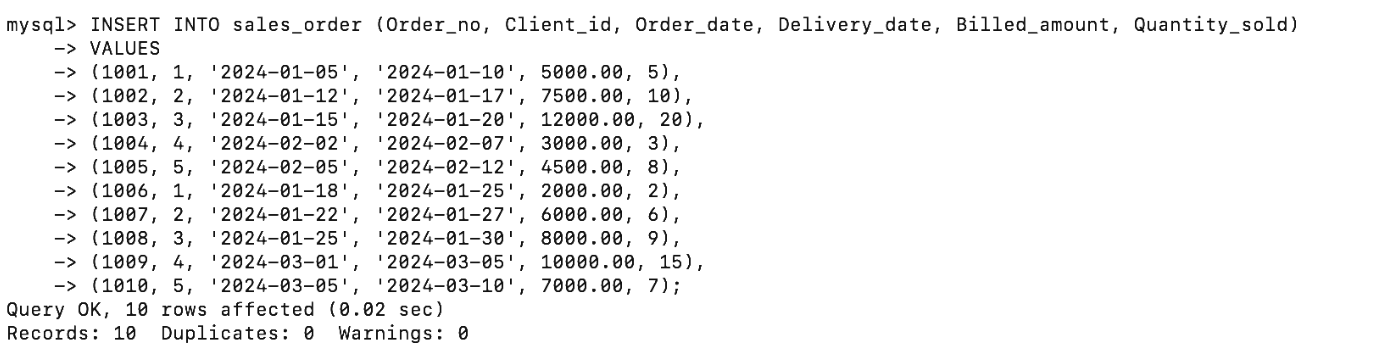
# Assignment No.5

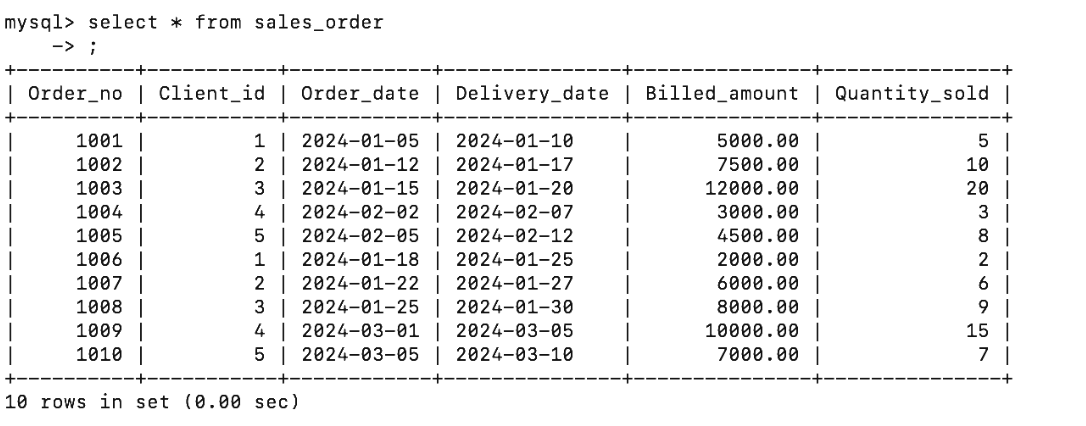
**Question:**

1. Print the information from sales\_order table for orders placed in the month of January.
2. Display the order\_no & day on which clients placed their order.
3. Display the month and date when the order must be delivered.
4. Display the order date in the format DDMMYY.
5. Find the date i1 days after today’s date.
6. Find the no of days elapsed between today’s date and delivery date of the orders placed by the clients.
7. Print the description and total qty sold for each product in product\_master.
8. Find the sum total of all the billed orders for the month of January.

Create sales\_order Table:

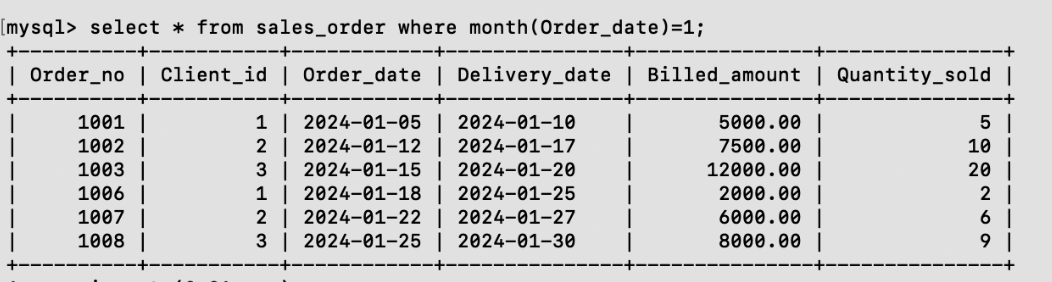
create table sales\_order Order\_no int(6), Client\_id int(5), Order\_date date, Delivery\_date date, Billed\_amount decimal (10,2), Quantity\_sold int (5));



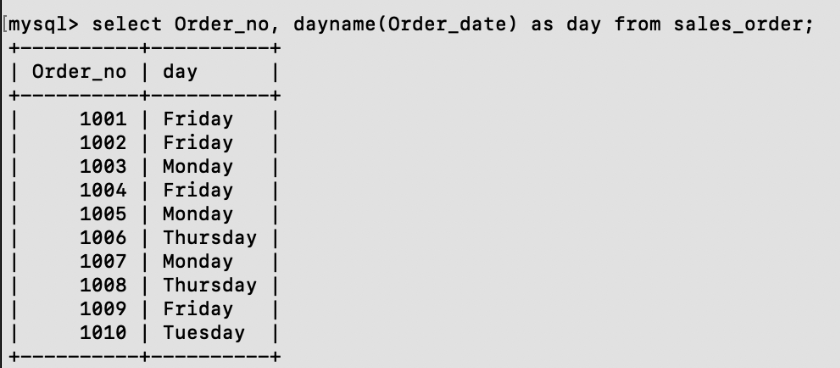


Queries:

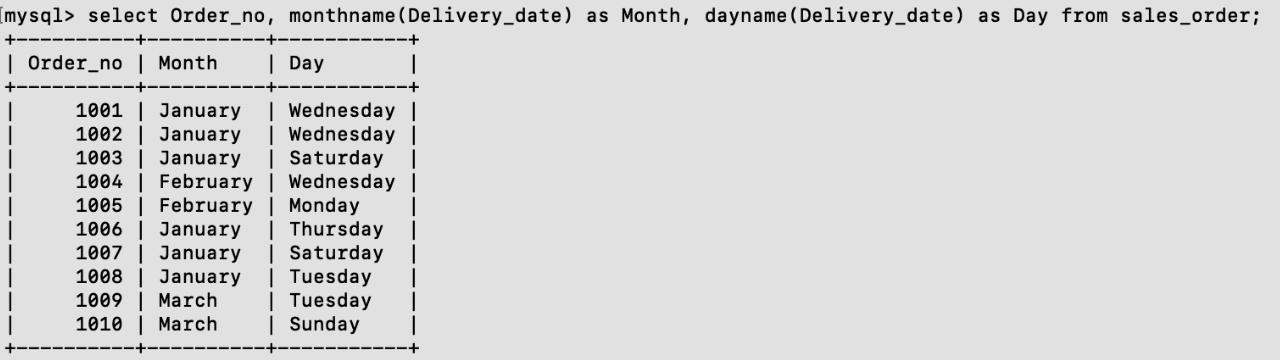
1. select \* from sales\_order where month(Order\_date)=1;



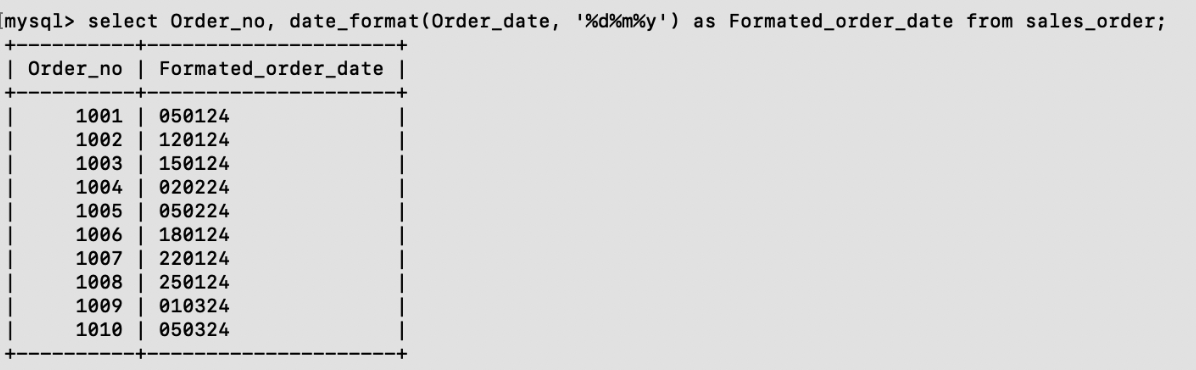
1. select Order\_no, dayname (Order\_date) as day from sales\_order;



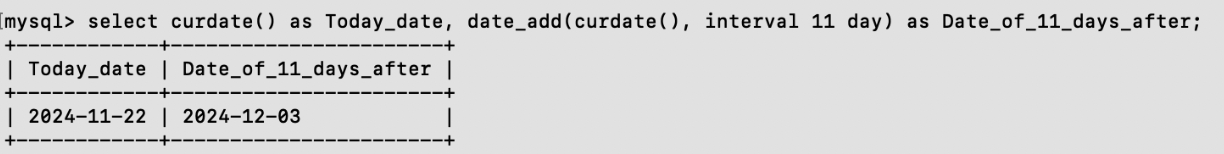
1. select Order\_no, monthname (Delivery\_date) as Month, dayname (Delivery\_date) as Day from sales\_order;



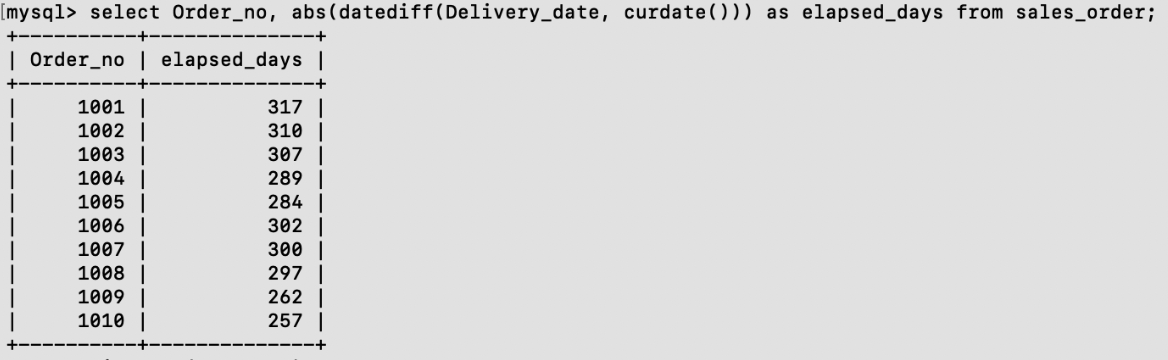
1. select Order\_no, date\_format (Order\_date,'%d%m%') as Formated\_order\_date from sales\_order;



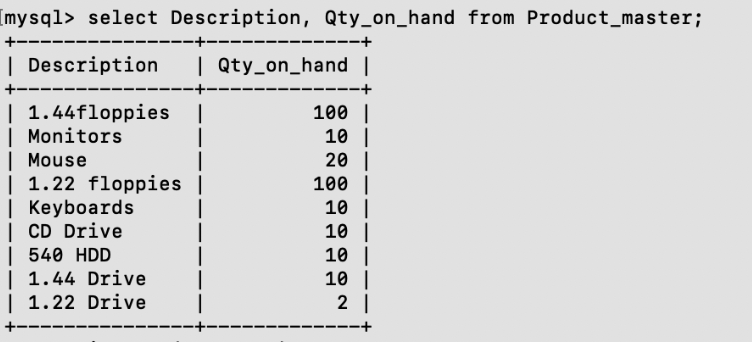
1. select curdate() as Today\_date, date\_add(curdate(), interval 11 day) as Date\_of\_11\_days\_after;



1. select Order\_no, abs(datediff(Delivery\_date, curdate())) as elapsed\_days from sales\_order;



1. select Description, Qty\_on\_hand from Product\_master;



1. select sum (Billed\_amount) from sales\_order where month (Order\_date)=1;

