1. Create table describe below.
2. Table Name : client\_master1

create table client\_master1(client\_no varchar(10) primary key check(client\_no like 'C%'),name varchar(20) not null, address1 varchar(30),address2 varchar(30),city varchar(15),pincode int(8),state varchar(15),bal\_due decimal(10,2));



1. Table name : product\_master1

create table product\_master2(product\_no varchar(10) primary key check(product\_no like 'P%'), desciption varchar(15) not null,profit\_percent decimal(4,2),unit\_measure varchar(10) not null,qty\_on\_hand int(8) not null, record\_lvl int(8) not null,sell\_price decimal(8,2) not null,cost\_price decimal(8,1) not null);



1. Table name : salesman\_master1

create table salesman\_master1(salesman\_no varchar(10) primary key check(salesman\_no like 'S%'),salesman\_name varchar(20) not null,address1 varchar(30) not null,address2 varchar(30),city varchar(20),pincode int(8), state varchar(20),sal\_amt decimal(8,2) not null,tgt\_to\_get decimal(6,2) not null, ytd\_sales decimal(6,2) not null,remarks varchar(60));



1. Table name : sales\_order

create table salesman\_master1(salesman\_no varchar(10) primary key check(salesman\_no like 'S%'),salesman\_name varchar(20) not null,address1 varchar(30) not null,address2 varchar(30),city varchar(20),pincode int(8), state varchar(20),sal\_amt decimal(8,2) not null,tgt\_to\_get decimal(6,2) not null, ytd\_sales decimal(6,2) not null,remarks varchar(60));



1. Table name : sales\_order\_details

create table sales\_order\_details(order\_no varchar(6) ,foreign key(order\_no) references sales\_order(order\_no),product\_no varchar(6) , foreign key (product\_no) references product\_master1(product\_no),qty\_ordered int(8),qty\_disp int (8),product\_rate decimal(10,2));



1. Insert the following data into their respective tables
2. Data for client\_master1

mysql> insert into client\_master1 values('C00001','ivan bayross','parel','worli','bombay',400054,'maharashtra',15000);

Query OK, 1 row affected (0.06 sec)

mysql> insert into client\_master1 values('C00002','vandana saitwal','chennai','ashok nagar','madras',780001,'tamil nadu',0);

Query OK, 1 row affected (0.01 sec)

mysql> insert into client\_master1 values('C00003','pramada jaguste','worli','parel','bombay',400057,'maharashtra',50000);

Query OK, 1 row affected (0.01 sec)

mysql> insert into client\_master1 values('C00004','basu navindgi','worli','parel','bombay',400056,'maharashtra',0);

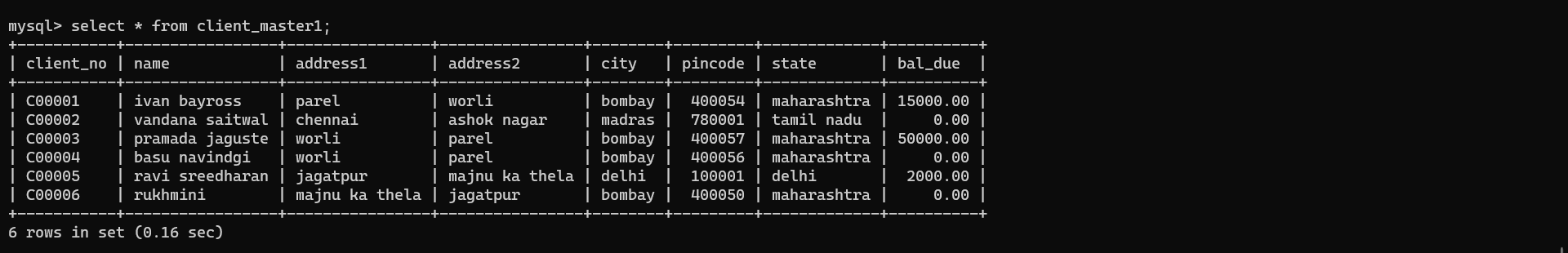
Query OK, 1 row affected (0.01 sec)

mysql> insert into client\_master1 values('C00005','ravi sreedharan','jagatpur','majnu ka thela','delhi',100001,'delhi',2000);

Query OK, 1 row affected (0.00 sec)

mysql> insert into client\_master1 values('C00006','rukhmini','majnu ka thela','jagatpur','bombay',400050,'maharashtra',0);

Query OK, 1 row affected (0.01 sec)



1. Data for product\_master1

mysql> insert into product\_master1 values('P00001','1.44 floppies',5,'piece',100,20,525,500);

Query OK, 1 row affected (0.00 sec)

mysql> insert into product\_master1 values('P03453','monitors',6,'piece',10,3,12000,11280);

Query OK, 1 row affected (0.01 sec)

mysql> insert into product\_master1 values('P06734','mouse',5,'piece',20,5,1050,1000);

Query OK, 1 row affected (0.01 sec)

mysql> insert into product\_master1 values('P07865','1.22 floppies',5,'piece',100,20,525,500);

Query OK, 1 row affected (0.01 sec)

mysql> insert into product\_master1 values('P07868','keyboards',2,'piece',10,3,3150,3050);

Query OK, 1 row affected (0.01 sec)

mysql> insert into product\_master1 values('P07885','cd drive',2.5,'piece',10,3,5250,5100);

Query OK, 1 row affected (0.00 sec)

mysql> insert into product\_master1 values('P07965','540 HDD',4,'piece',10,3,8400,8000);

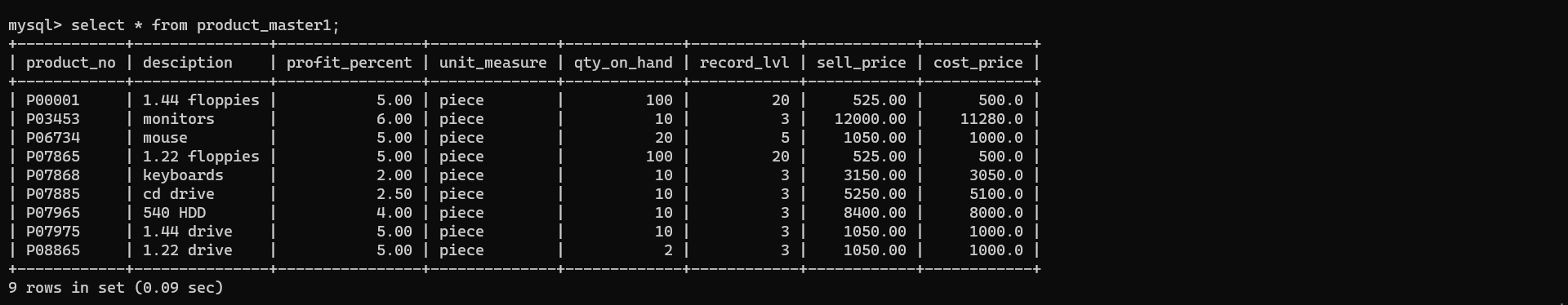
Query OK, 1 row affected (0.01 sec)

mysql> insert into product\_master1 values('P07975','1.44 drive',5,'piece',10,3,1050,1000);

Query OK, 1 row affected (0.00 sec)

mysql> insert into product\_master1 values('P08865','1.22 drive',5,'piece',2,3,1050,1000);

Query OK, 1 row affected (0.01 sec)



1. Data from salesman\_master1

mysql> insert into salesman\_master1 values('S00001','kiran','A/14','worli','bombay',400002,'maharashtra',3000,100,50,'good');

Query OK, 1 row affected (0.02 sec)

mysql> insert into salesman\_master1 values('S00002','manish','65','nariman','bombay',400001,'maharashtra',3000,200,100,'good');

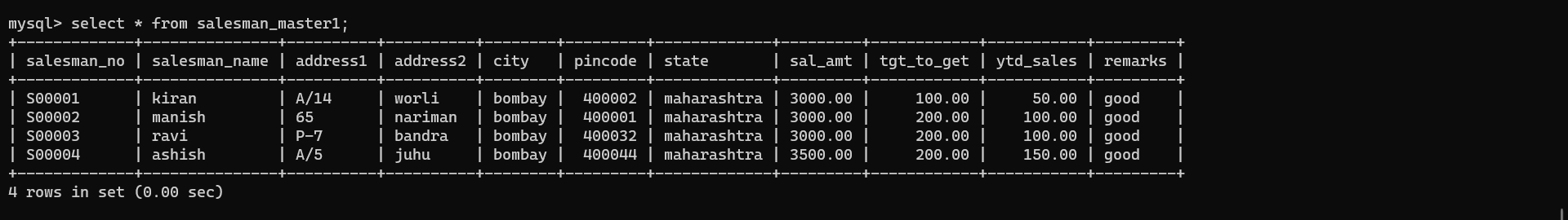
Query OK, 1 row affected (0.01 sec)

mysql> insert into salesman\_master1 values('S00003','ravi','P-7','bandra','bombay',400032,'maharashtra',3000,200,100,'good');

Query OK, 1 row affected (0.19 sec)

mysql> insert into salesman\_master1 values('S00004','ashish','A/5','juhu','bombay',400044,'maharashtra',3500,200,150,'good');

Query OK, 1 row affected (0.00 sec)



1. Data from sales\_order

mysql> insert into sales\_order values('O19001','1996-01-12','C00001','nagpur','S00001','F','N','1996-01-20','in process');

Query OK, 1 row affected (0.06 sec)

mysql> insert into sales\_order values('O19002','1996-01-25','C00002','nagpur','S00002','P','N','1996-01-27','cancelled');

Query OK, 1 row affected (0.01 sec)

mysql> insert into sales\_order values('O46865','1996-02-18','C00003','nagpur','S00003','F','Y','1996-02-20','fulfilled');

Query OK, 1 row affected (0.01 sec)

mysql> insert into sales\_order values('O19003','1996-04-03','C00001','nagpur','S00001','F','Y','1996-04-07','fulfilled');

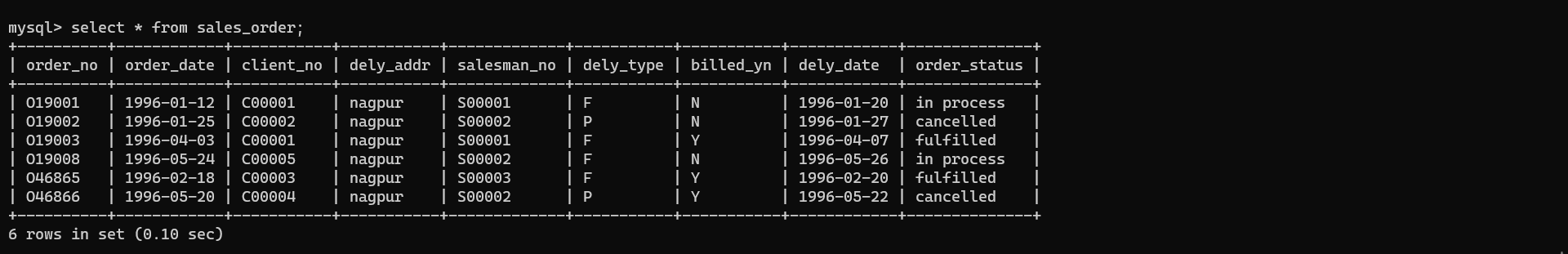
Query OK, 1 row affected (0.01 sec)

mysql> insert into sales\_order values('O46866','1996-05-20','C00004','nagpur','S00002','P','Y','1996-05-22','cancelled');

Query OK, 1 row affected (0.01 sec)

mysql> insert into sales\_order values('O19008','1996-05-24','C00005','nagpur','S00002','F','N','1996-05-26','in process');

Query OK, 1 row affected (0.01 sec)



1. Data from sales\_order\_details

mysql> insert into sales\_order\_details values('O19001','P00001',4,4,525);

Query OK, 1 row affected (0.11 sec)

mysql> insert into sales\_order\_details values('O19001','P07965',2,1,8400);

Query OK, 1 row affected (0.01 sec)

mysql> insert into sales\_order\_details values('O19001','P07885',2,1,5250);

Query OK, 1 row affected (0.00 sec)

mysql> insert into sales\_order\_details values('O19002','P00001',10,0,525);

Query OK, 1 row affected (0.01 sec)

mysql> insert into sales\_order\_details values('O46865','P07868',3,3,3150);

Query OK, 1 row affected (0.01 sec)

mysql> insert into sales\_order\_details values('O46865','P07885',3,1,5250);

Query OK, 1 row affected (0.02 sec)

mysql> insert into sales\_order\_details values('O46865','P00001',10,10,525);

Query OK, 1 row affected (0.01 sec)

mysql> insert into sales\_order\_details values('O46865','P03453',4,4,1050);

Query OK, 1 row affected (0.00 sec)

mysql> insert into sales\_order\_details values('O19003','P03453',2,2,1050);

Query OK, 1 row affected (0.01 sec)

mysql> insert into sales\_order\_details values('O19003','P06734',1,1,12000);

Query OK, 1 row affected (0.01 sec)

mysql> insert into sales\_order\_details values('O46866','P07965',1,0,8400);

Query OK, 1 row affected (0.01 sec)

mysql> insert into sales\_order\_details values('O46866','P07975',1,0,1050);

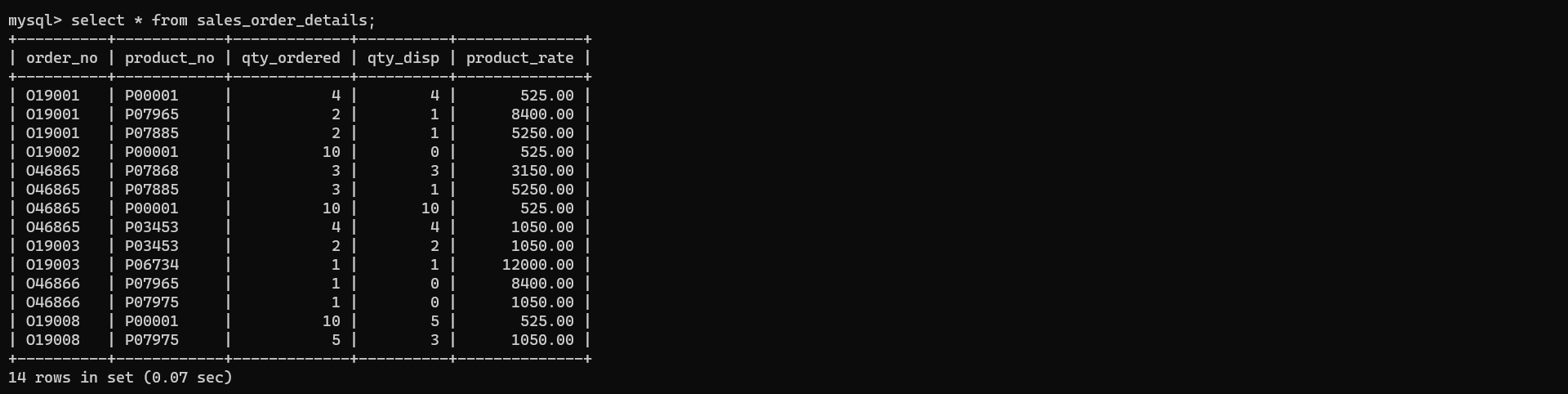
Query OK, 1 row affected (0.01 sec)

mysql> insert into sales\_order\_details values('O19008','P00001',10,5,525);

Query OK, 1 row affected (0.01 sec)

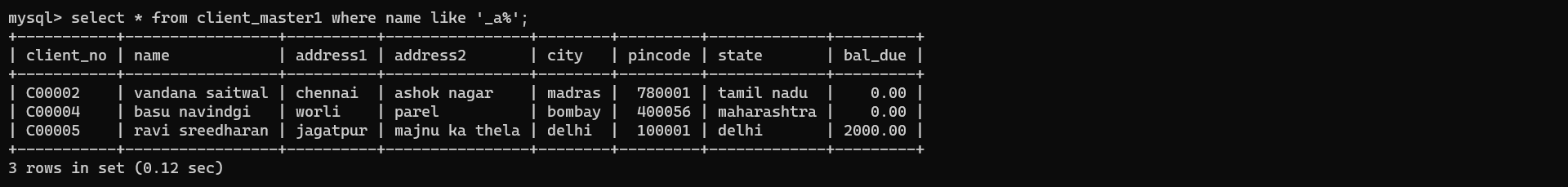
mysql> insert into sales\_order\_details values('O19008','P07975',5,3,1050);

Query OK, 1 row affected (0.01 sec)



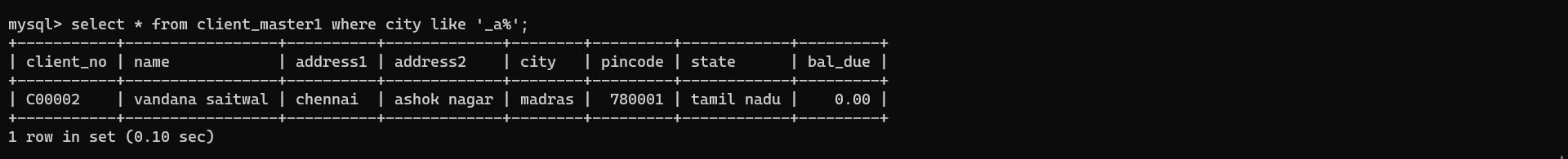
1. Exercises on computations on table data
2. Find the name of all client having ‘a’ as the second letters in their names.

Ans. select \* from client\_master1 where name like '\_a%';



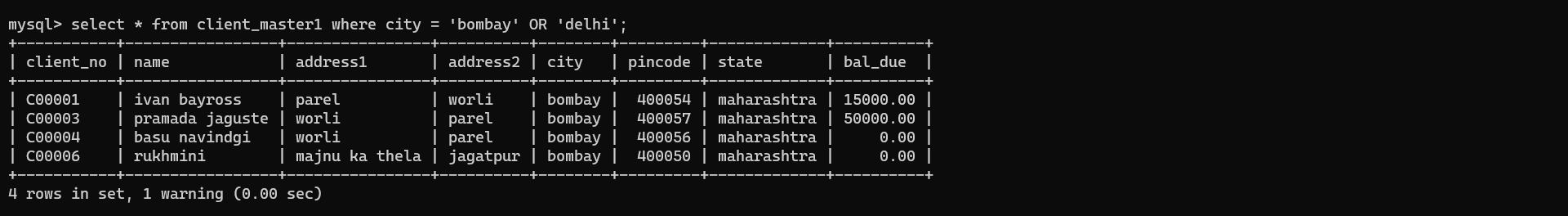
1. Find out the client who stay in city whose second letter is ‘a’

Ans. select \* from client\_master1 where city like '\_a%';



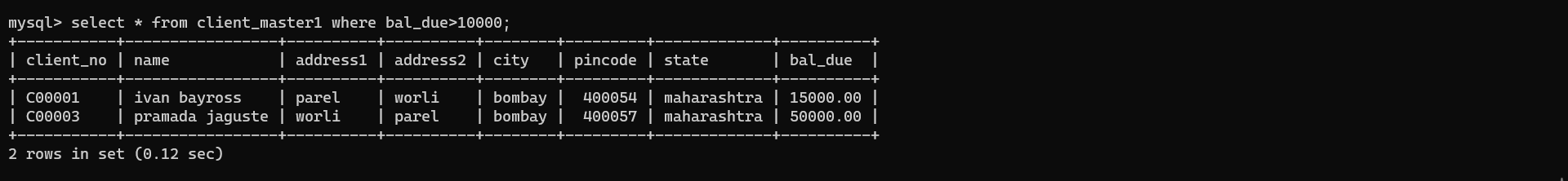
1. Find the list of all client who stay in ‘bombay’ or ‘delhi’

Ans. select \* from client\_master1 where city = 'bombay' OR 'delhi';



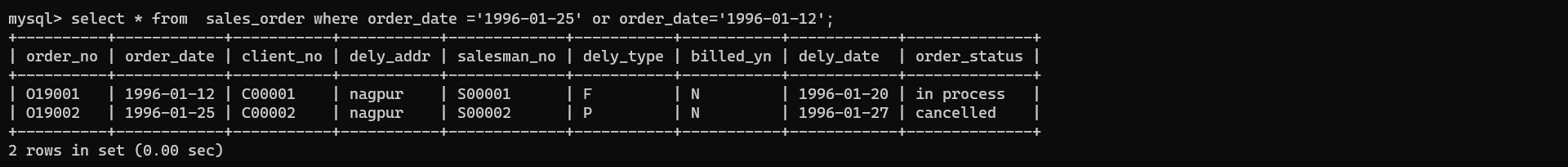
1. Print the list of client whose bal\_due is greater than value 10000

Ans. select \* from client\_master1 where bal\_due>10000;



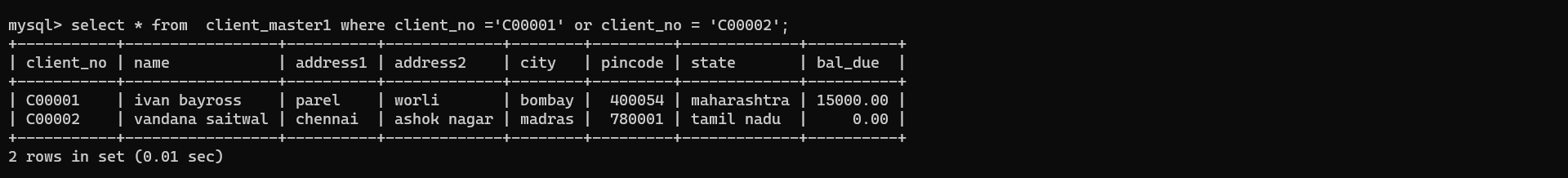
1. Print the information from sales\_order table for order place in the '1996-01-25' '1996-01-12

Ans : select \* from sales\_order where order\_date ='1996-01-25' or order\_date='1996-01-12';



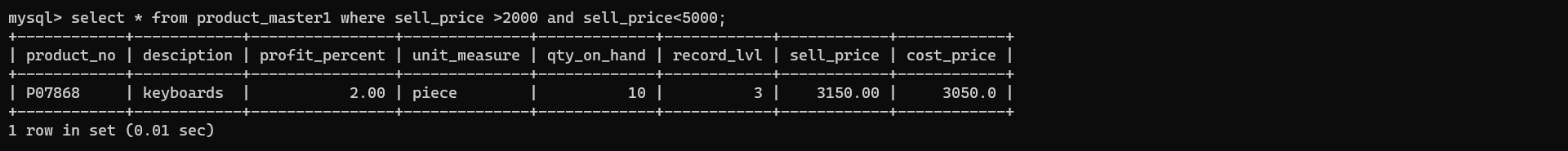
1. Display the order information for client\_no’C00001’ and ‘C00002’

Ans : select \* from client\_master1 where client\_no ='C00001' or client\_no = 'C00002';



1. Find product whose selling\_price is greater than 2000 and less than or equal to 5000

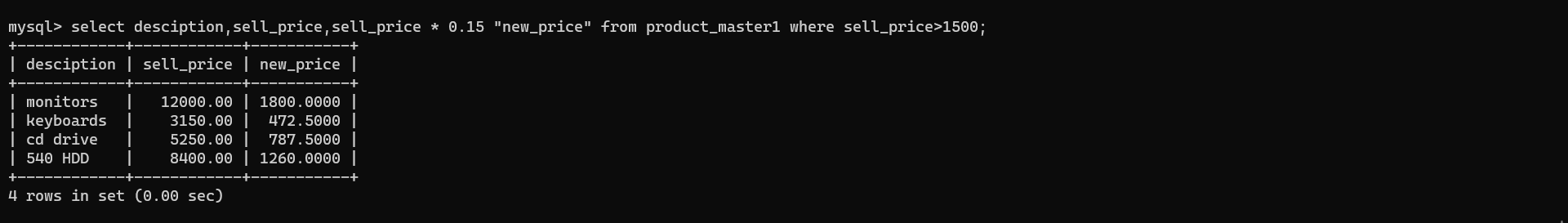
Ans : select \* from product\_master1 where sell\_price >2000 and sell\_price<5000;



1. Find product whose selling\_price is more than 1500

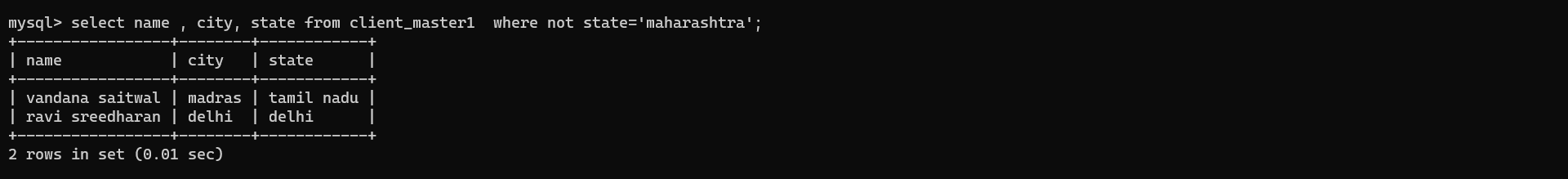
Calculate a new selling\_price as original selling price \* 0.15.rename the new column in the above query new\_price

Ans : select desciption,sell\_price,sell\_price \* 0.15 "new\_price" from product\_master1 where sell\_price>1500 ;



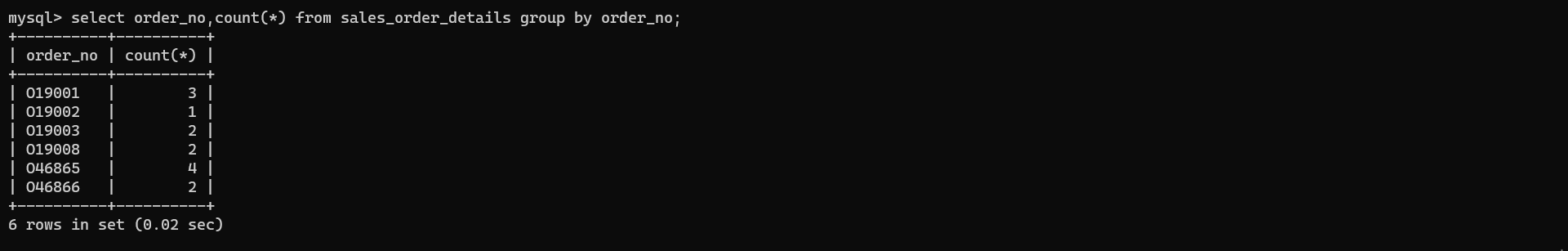
1. List the names ,city and state of client who are not in the state of Maharashtra

Ans : select name , city, state from client\_master1 where not state='maharashtra';



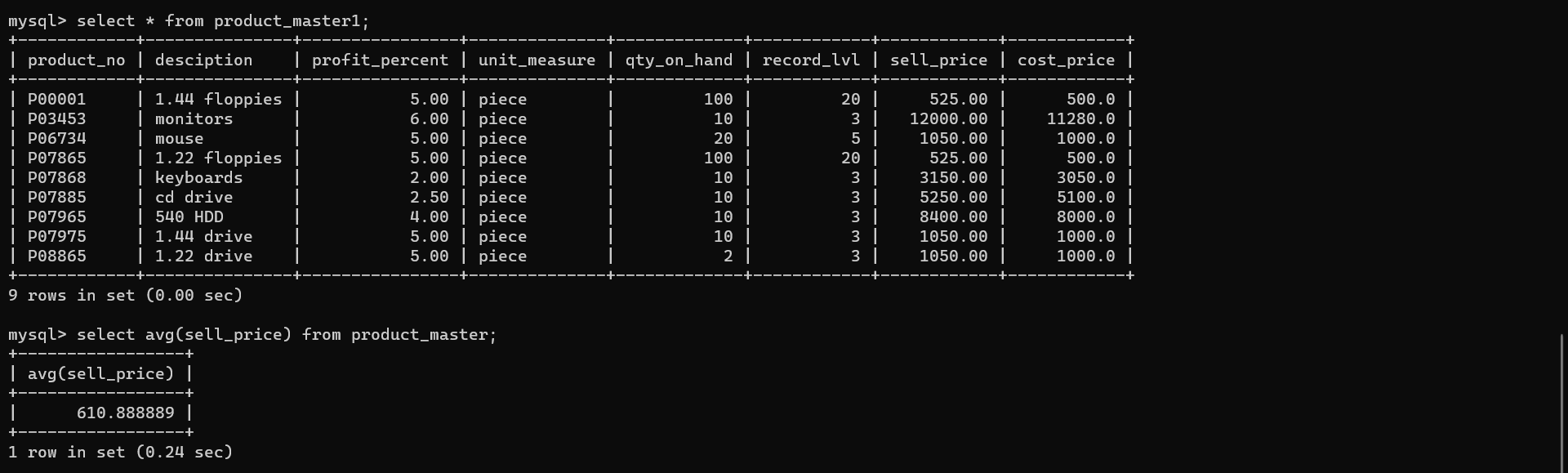
1. Count the total number of order

Ans : select order\_no,count(\*) from sales\_order\_details group by order\_no;

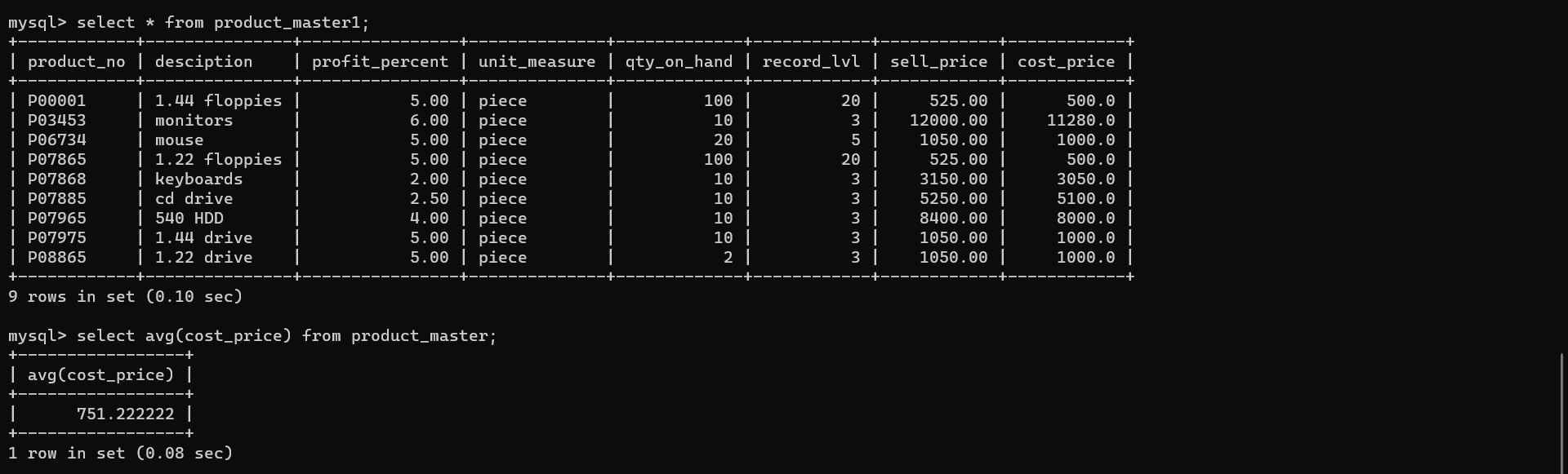


1. Calculate the average price of all the product

Ans : select avg(sell\_price) from product\_master;



select avg(cost\_price) from product\_master;



1. Determine the maximun and minimum product price rename the output as max\_price and min\_price respectively