Institute of computer technology

B.Tech-CSE(BDA)

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Sem:-3

Enrollment no.:-23162121021

Batch:-31

Sub:-DBMS

Date:-12/8/24

Practical 3

Q:- Queries on computation on table data:

1) Find the name of all clients having ‘a ‘ as the second letter in their names

2) Find out the clients whose name is four character ling and second letter is ‘a‘.

3) Find out the name of city whose second last character is ‘a’.

4) Print the list of clients whose bal\_due is greater than or equal to 10000.

5) Print the information from sales\_order table for orders placed in the month of January.

6) Display the order information for client\_no ‘C003’ and ‘C001’.

7) Find products whose selling price is greater than 2000 and less than or equal to 5000.

8) Find products whose selling price is more than 1500. Calculate a new selling price as, original

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

9) List the names, city and state of clients who are not in the state of ‘Maharashtra’.

10) Count the total number of orders.

11) Calculate the average price of all products.

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

min\_price respectively.

13) Count the number of products having price greater than or equal to 1500.

14) Find all the products whose qty\_on\_hand is less than reorder level.

15) Create table cmaster from client\_master table.

16) Insert data in cmaster from client\_master where city=’bombay’

17) Create table sales from sales\_order with order\_no and client\_no columns.

18) Insert data in sales from sales\_order table.

A=> Query:-

use BDA\_23162121020;

create table Sales\_order(Order\_no varchar(6) ,Order\_Date date ,Client\_no varchar(6) ,S\_no varchar(6) ,Dely\_type char(1) ,Billed\_yn char(1) ,Dely\_Date date ,Order\_Status varchar(10));

insert into Sales\_order values('O1901' ,str\_to\_date('02/06/2015', '%d/%m/%Y') ,'C001' ,'S001' ,'F' ,'N' ,str\_to\_date('20/06/2015', '%d/%m/%Y') ,'InProcess');

insert into Sales\_order values('O1902' ,str\_to\_date('25/01/2015', '%d/%m/%Y') ,'C002' ,'S002' ,'P' ,'N' ,str\_to\_date('27/06/2015', '%d/%m/%Y') ,'Cancelled');

insert into Sales\_order values('O4665' ,str\_to\_date('18/02/2015', '%d/%m/%Y') ,'C003' ,'S003' ,'F' ,'Y' ,str\_to\_date('20/02/2015', '%d/%m/%Y') ,'Fullfilled');

insert into Sales\_order values('O1903' ,str\_to\_date('03/04/2015', '%d/%m/%Y') ,'C001' ,'S001' ,'F' ,'Y' ,str\_to\_date('07/04/2015', '%d/%m/%Y') ,'Fullfilled');

insert into Sales\_order values('O4666' ,str\_to\_date('20/05/2015', '%d/%m/%Y') ,'C004' ,'S002' ,'P' ,'N' ,str\_to\_date('22/05/2015', '%d/%m/%Y') ,'Cancelled');

insert into Sales\_order values('O1908' ,str\_to\_date('24/05/2015', '%d/%m/%Y') ,'C005' ,'S003' ,'F' ,'N' ,str\_to\_date('26/05/2015', '%d/%m/%Y') ,'InProcess');

1) select \* from client\_master where Name like '\_a%';

2) select \* from client\_master where Name like '\_a\_\_';

3) select \* from client\_master where City like '%a\_';

4) select \* from client\_master where Bal\_due >= 10000;

5) select \* from sales\_order where month(order\_date) = 1;

6) select \* from client\_master where Client\_no = 'C003'or Client\_no = 'C001';

7) select \* from product\_master where sell\_price between 2000 and 5000;

8) select sell\_price = 1500 and sell\_price \* 0.15 new\_price from product\_master;

9) select \* from client\_master where state not in('Maharastra');

10) select count(order\_no) from sales\_order;

11) select avg(sell\_price) "Average of Sell Price is:" from product\_master;

12) select max(sell\_price) "The Maximum Price is:" , min(sell\_price) "The Minimum Price is:" from product\_master;

13) select count(product\_no) "The Total No. Of Product is:" from product\_master where sell\_price >=1050;

14) select count(product\_no) "The Total No. Of Product is:" from product\_master where Reorder\_lvl > Qty\_on\_Hand;

15) create table cmaster like client\_master;

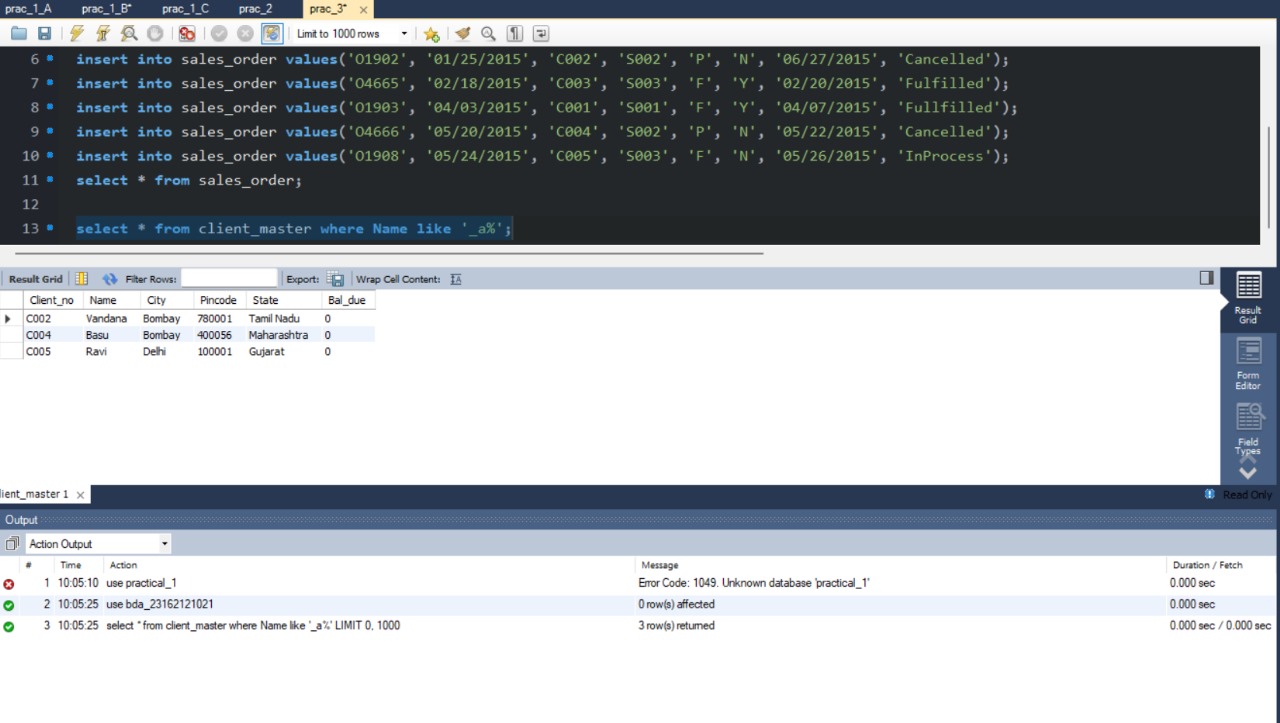
16) insert into cmaster select \* from client\_master where city = 'Bombay';

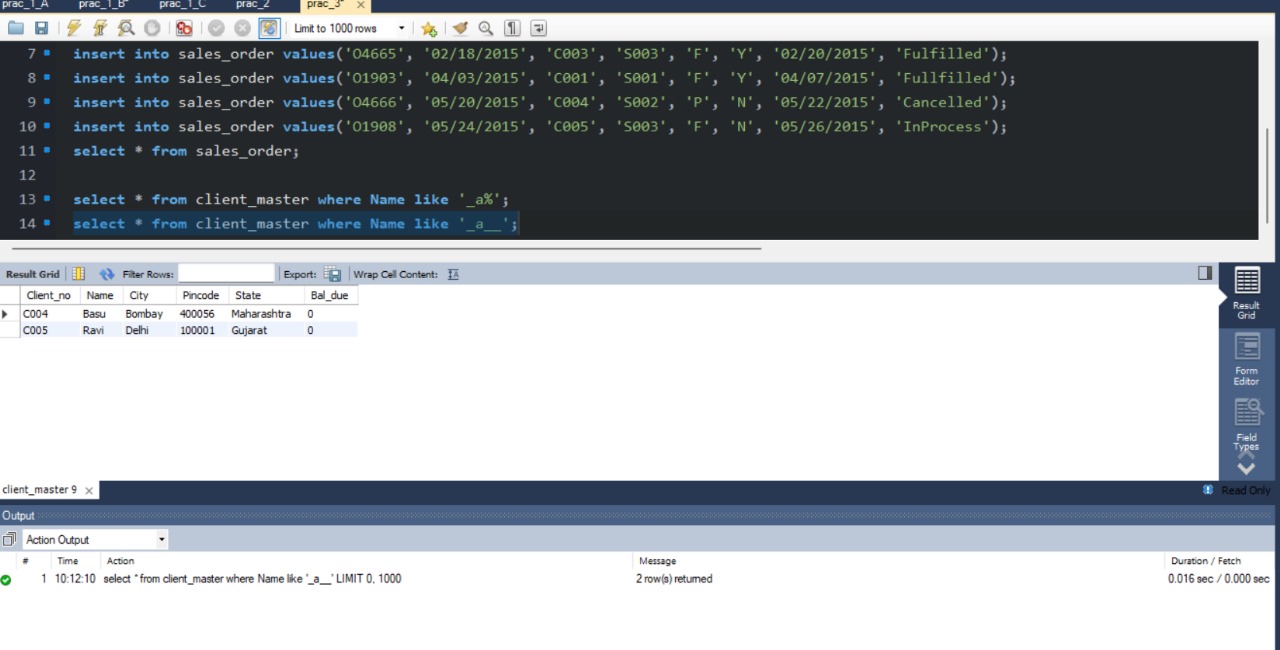
17) create table sales as select order\_no , client\_no from sales\_order;

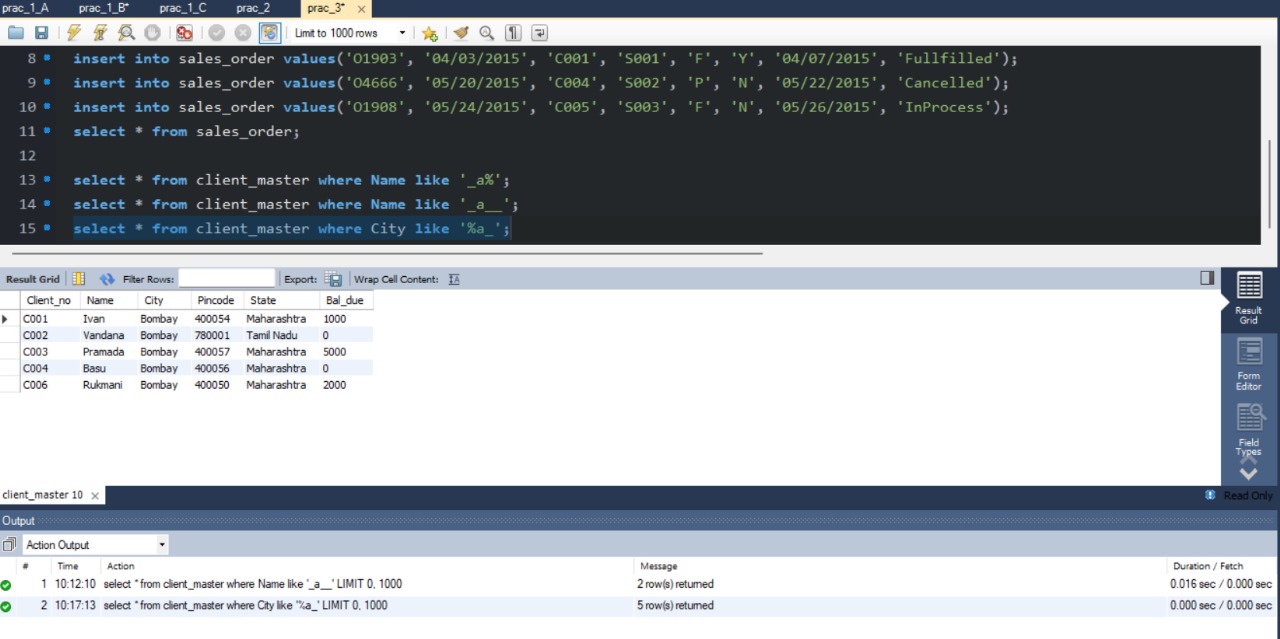
18) insert into sales (order\_no, client\_no) select Order\_no, Client\_no from sales\_order;

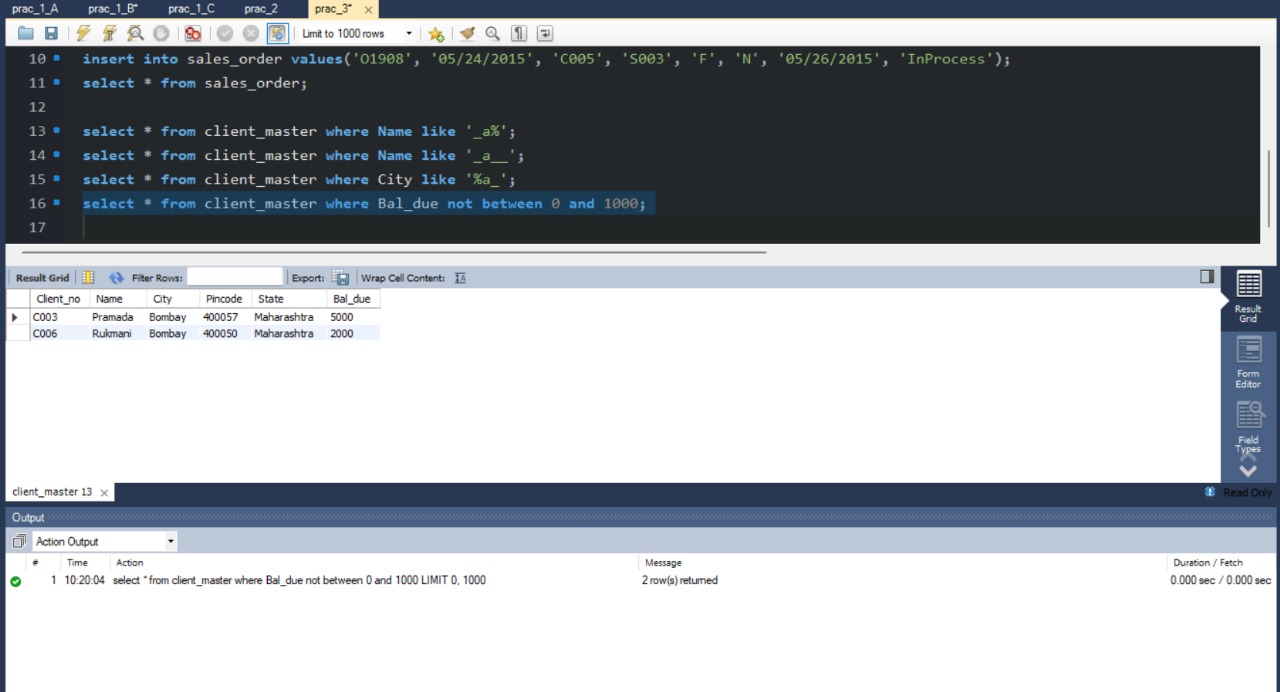
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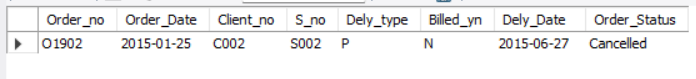
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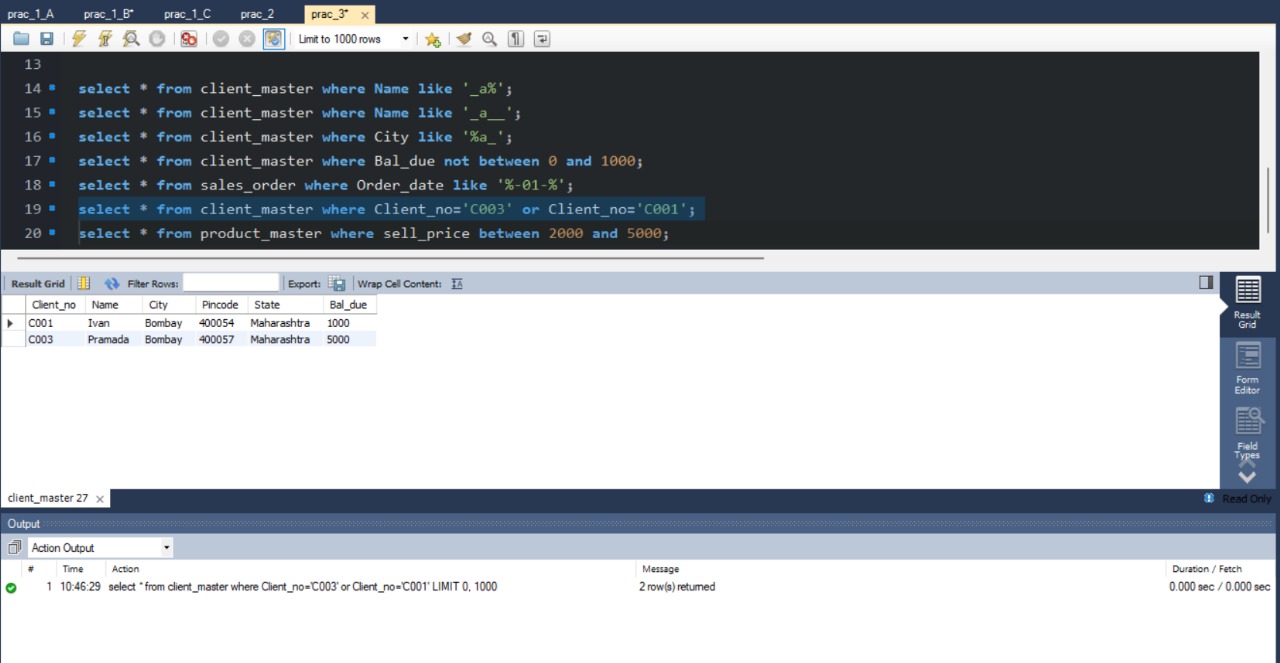


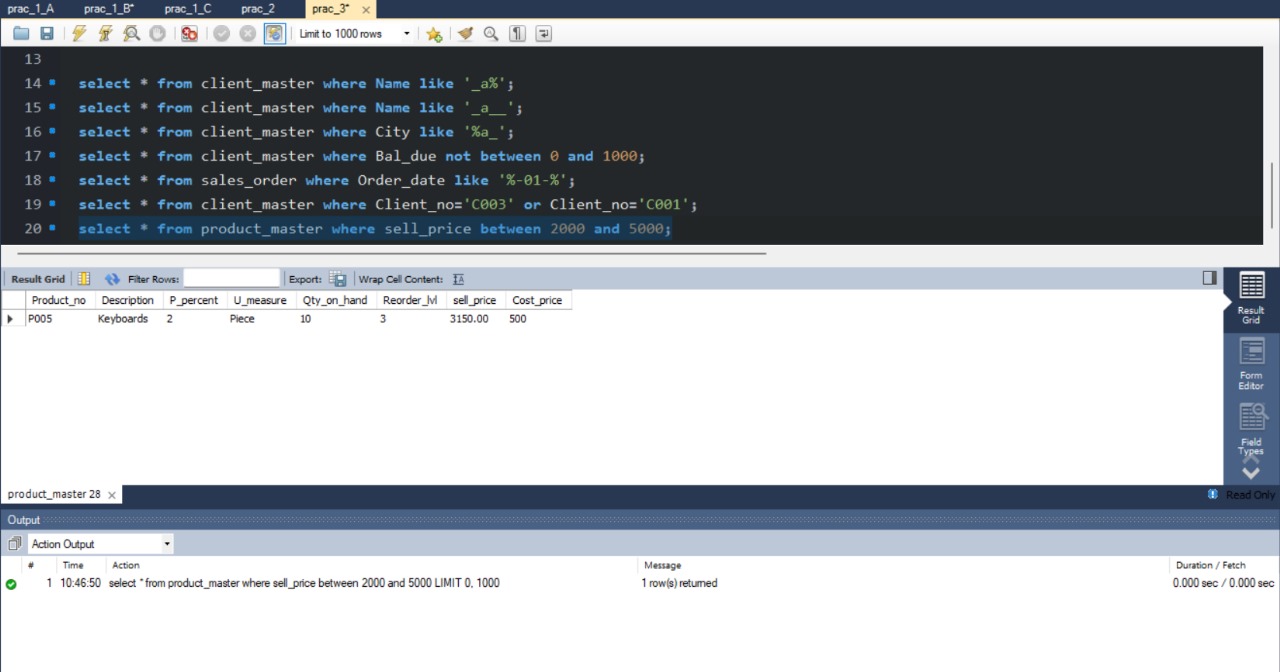
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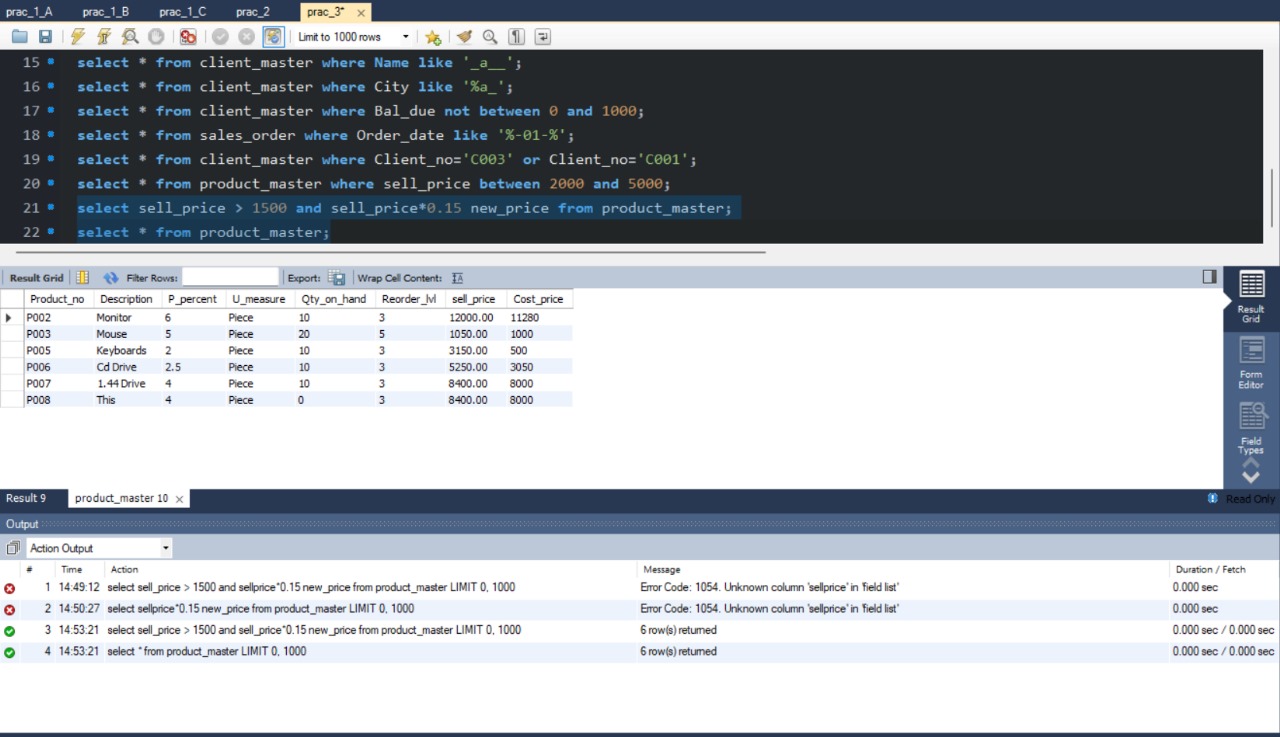
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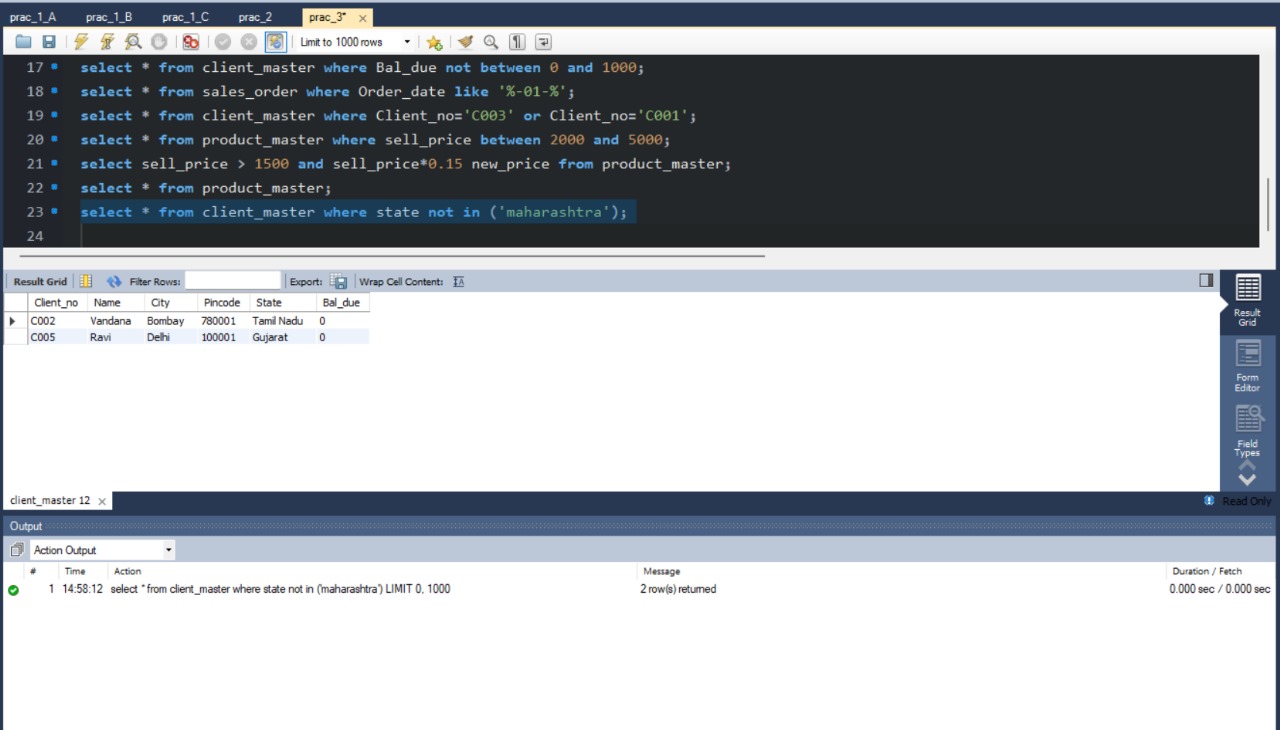
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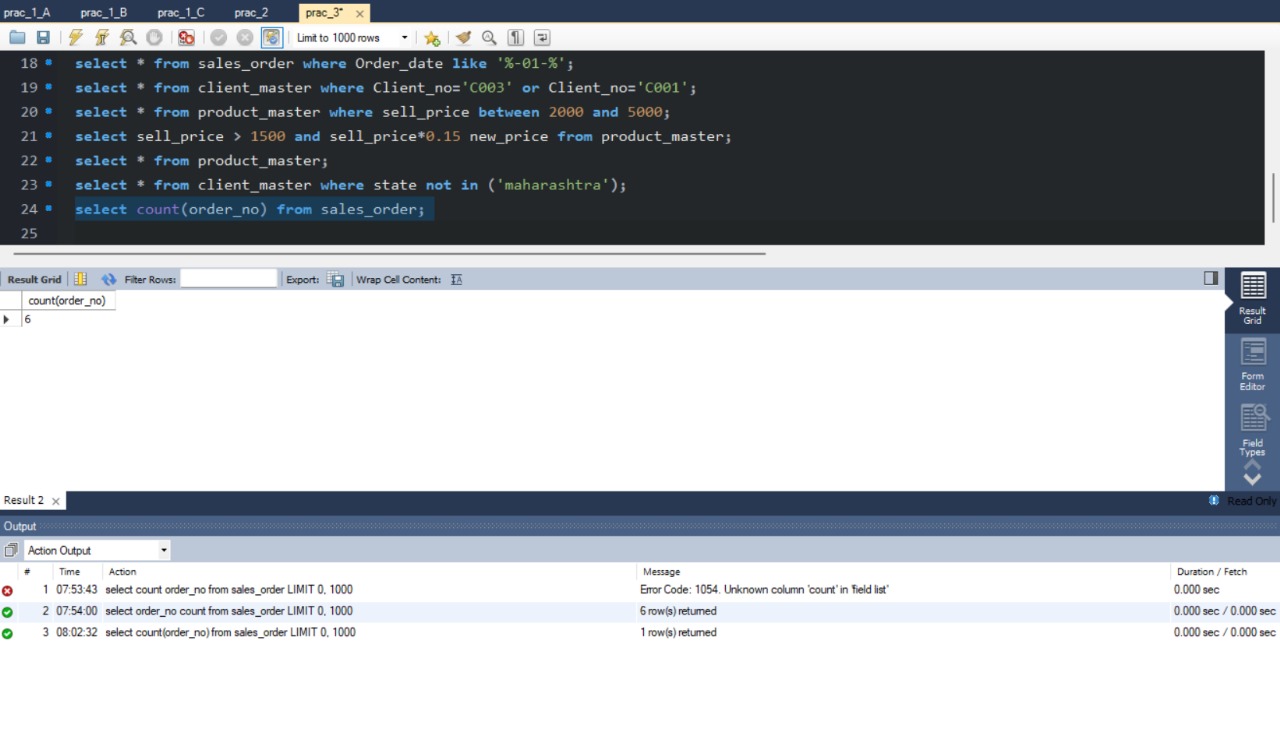
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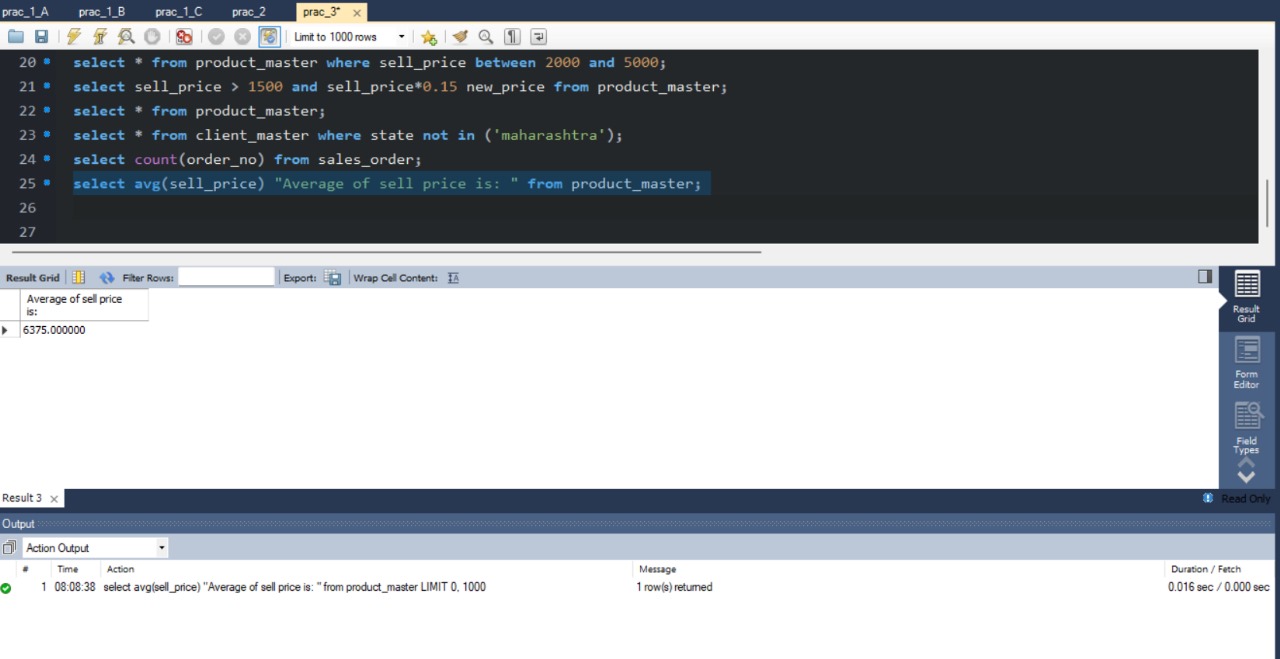
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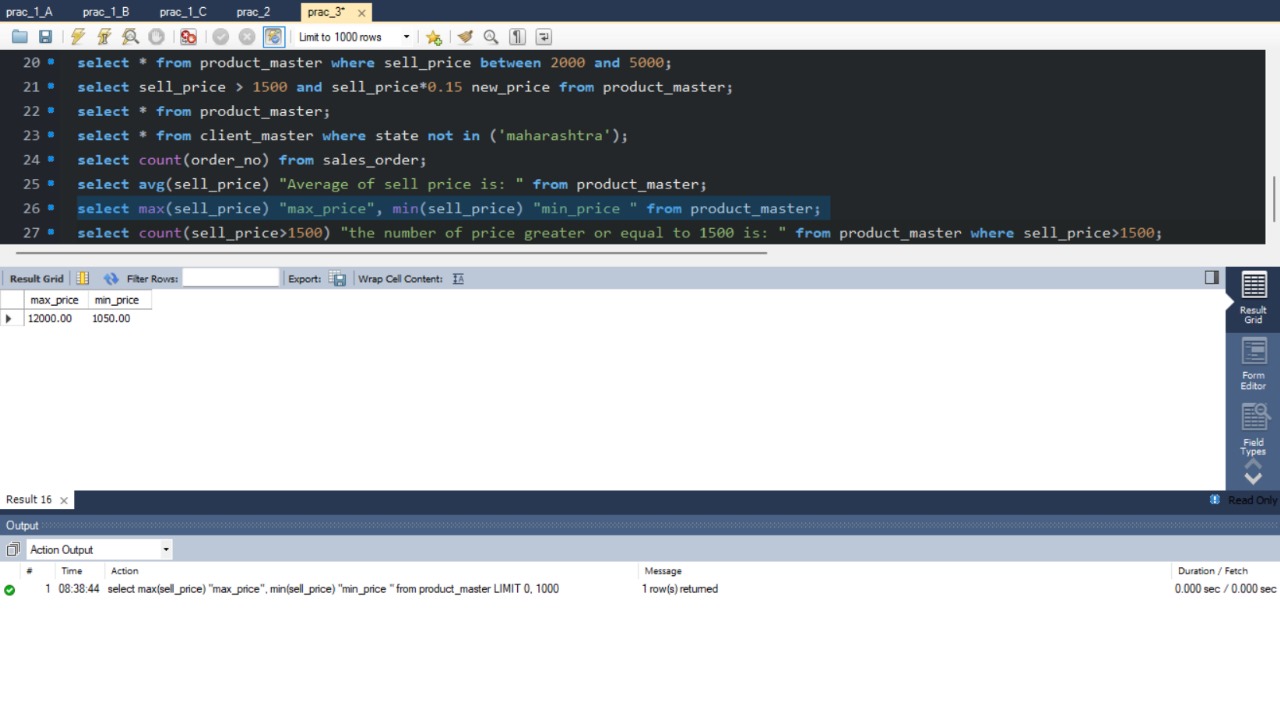
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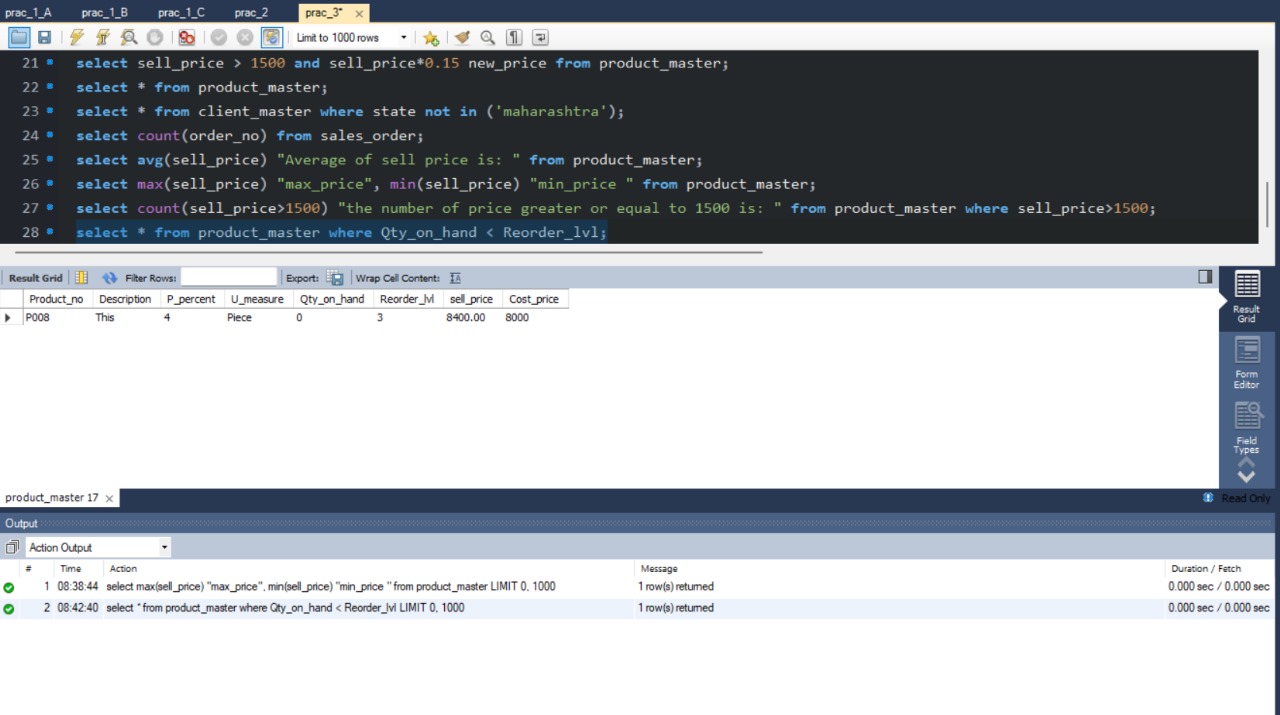
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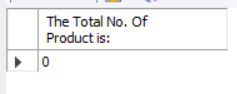
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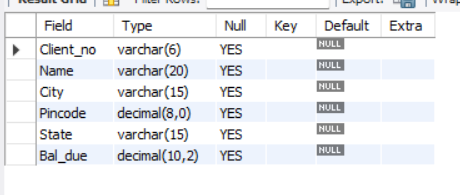
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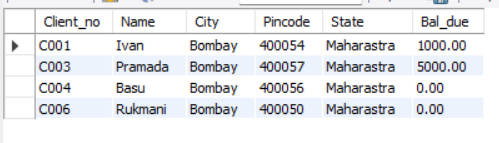
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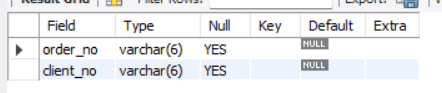
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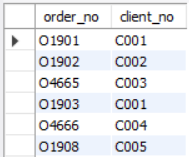
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Q:- Queries on Date manipulation:

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

2) Display the month (in alphabets) and date when the order must be delivered.

3) Find the number of days elapsed between delivery date and order date from sales\_order table.

4) Find the date, 15 days after today’s date.

5) Display current date and time.

6) Display system time..

A=> Query:-

1) select order\_no, dayname(order\_date) as order\_day from sales\_order;

2) select date\_format(dely\_date, '%M %d') as dely\_month\_date from sales\_order;

3) select datediff(dely\_date, order\_date) as days\_elapsed from sales\_order;

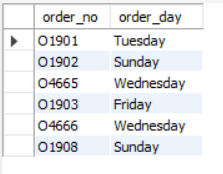
4) select date\_add(current\_date(), interval 15 day) as date\_after\_15\_days;

5) select now() as current\_date\_time;

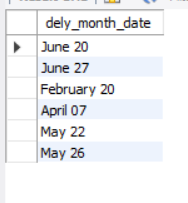
6) select curtime() as system\_time;

Screenshot:-

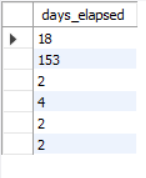
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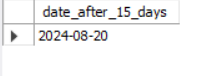
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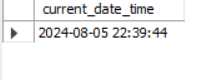
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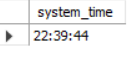
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Action logs:- 