**DBMS LAB ASSIGNMENT 5**

**🡪 Using the tables created previously generate the SQL statements for the operations mentioned below. The tables in user are as follows:**

**a. Client\_Master**

**b. Product\_Master**

**c. Salesman\_Master**

**d. Sales\_Order**

**e. Sales\_Order\_Details**

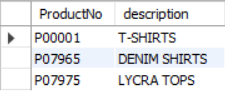
**• Perform the following queries on the tables mentioned above :**

**Q1. Find the ProductNo and description of non-moving products i.e., products not being sold.**

**Answer :**

select sales\_order\_details.ProductNo,

description from sales\_order\_details , product\_master

 where QtyDisp = 0 and sales\_order\_details.ProductNo = product\_master.ProductNo;

**Q2. List the customer Name, City, and PinCode for the client who has placed the order no ‘O19001’.**

**Answer :**

select NAME ,CITY , PINCODE from client\_master

where ClientNo = all (SELECT ClientNo from sales\_order where OrderNo = 'O19001');

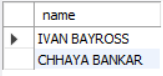
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**Q3. List the client names that have placed orders before May’04.**

**Answer :**

select name from client\_master

where ClientNo in ( select ClientNo from sales\_order where OrderDate < '2004-05-01');



**Q4. List if the product ‘Lycra Top’ has been ordered by any client and print the Client\_no, Name to whom it was sold.**

**Answer :**

SELECT ClientNo , name from client\_master

where ClientNo in (SELECT ClientNo from sales\_order

where OrderNo in ( SELECT OrderNo from sales\_order\_details

where PRODUCTNO in (SELECT PRODUCTNO from product\_master where DESCRIPTION = 'Lycra Tops')));

**Q5. List the names of clients who have placed orders worth Rs. 10000 OR MORE.**

**Answer :**

select name from client\_master where clientno in (select clientno from sales\_order

where odereno in (select orderno from sales\_order\_details group by orderno having sum(productrate)>10000));

**Q6. Retrieve the city of every customer whose name starts with ‘I’.**

**Answer :**

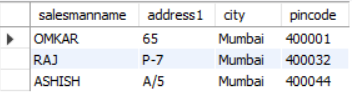
select city from client\_master where name like "I%";

**Q7. Fid the name, Address1, city , pin code and YtdSales of the salesman who have higher YtdSales than the employee whose name start with letter ‘O’.**

**Answer :**

SELECT salesmanname,address1,city,pincode from salesman\_master

where ytdsales>= all(select ytdsales from salesman\_master where salesmanname like"O%");



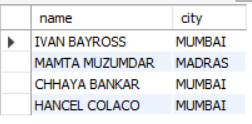
**Q8. Find the name and city of the client who have more than 1 orders.**

**Answer :**

SELECT name,city from client\_master

where clientno in (select clientno from sales\_order

where orderno in(select orderno from sales\_order\_details where qtyordered>1));



**Q9. Find the description and product number who’s total qtl ordered is less than 25.**

**Answer :**

SELECT descrip,productno from product\_master

where productno in (select productno from sales\_order\_details where productno in

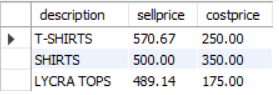
(select productno from sales\_order\_details group by productno having sum (qtyordered) <25));

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**Q10. Find the description, sell price and cost price of the products whose**

**Answer :**

SELECT description , sellprice,costprice from product\_master as p where p.productno

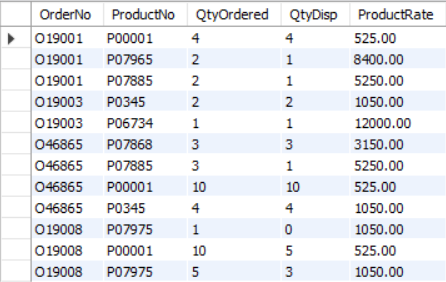
in (select productno from sales\_order\_details as s where productrate<1200);

**Q11. Find the status of the orders of those clients who belongs to Maharashtra.**

**Answer :**

SELECT \* from sales\_order\_details

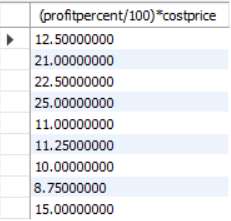
where orderno in (select orderno from sales\_order

where clientno in (select clientno from client\_master where state='MAHARASHTRA') );

**Q12. Calculate the profit for each product.**

**Answer :**

SELECT (profitpercent/100)\*costprice from product\_master;



**Q13. Find the total number of orders placed for Karnataka state.**

**Answer :**

SELECT count(orderno) from sales\_order

where clientno in (select clientno from client\_master where state="Karnataka");

**Q14. Find the name, address1 and address2 of the salesman whose order of status is either in process or fulfilled.**

**Answer :**

update sales\_order set salesmanno="S00002" where orderno="O19002";

update sales\_order set salesmanno="S00001" where orderno="O19003";

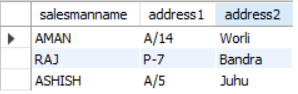
update sales\_order set salesmanno="S00004" where orderno="O19008";

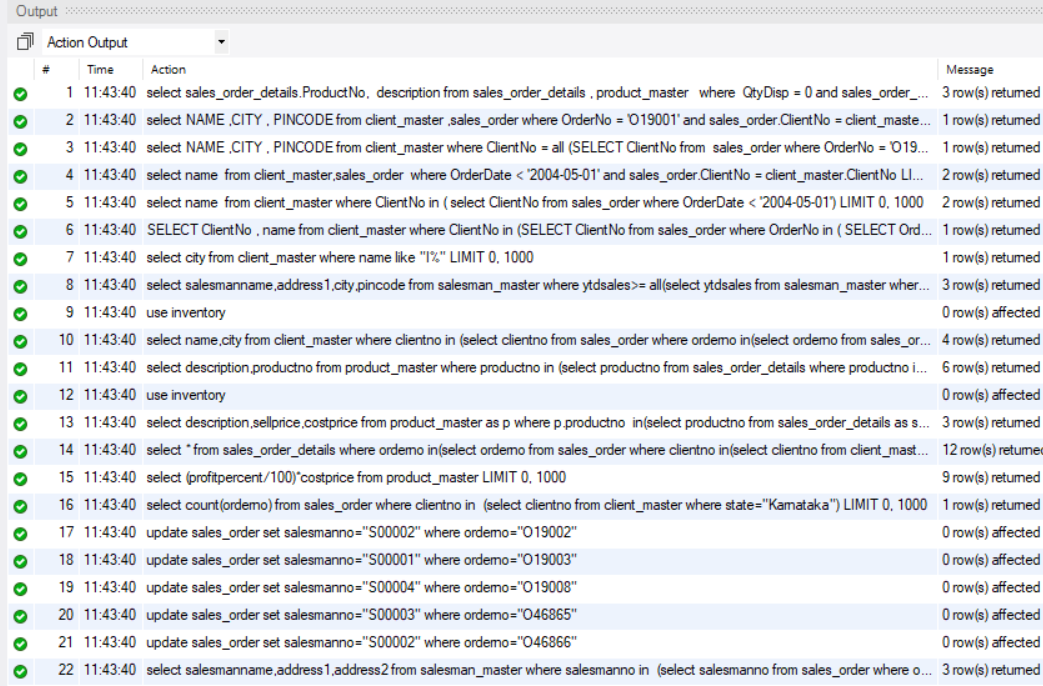
update sales\_order set salesmanno="S00003" where orderno="O46865";

update sales\_order set salesmanno="S00002" where orderno="O46866";

select salesmanname,address1,address2 from salesman\_master where salesmanno in

(select salesmanno from sales\_order where orderstatus in('In Process','Fulfilled'));

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