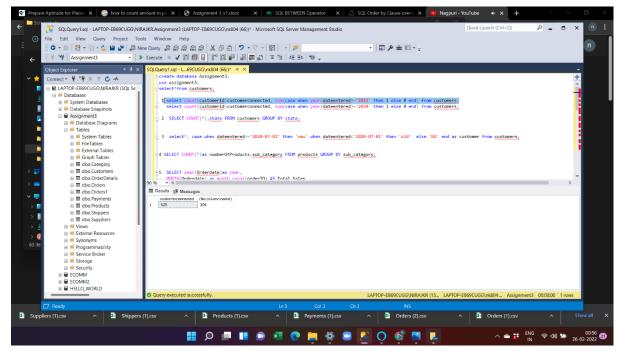
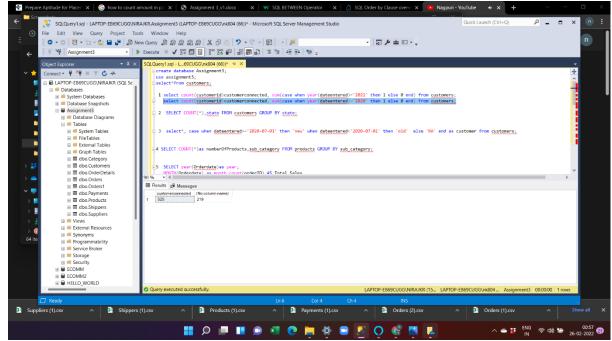
Q.NO.1 ANSWERS:

1.

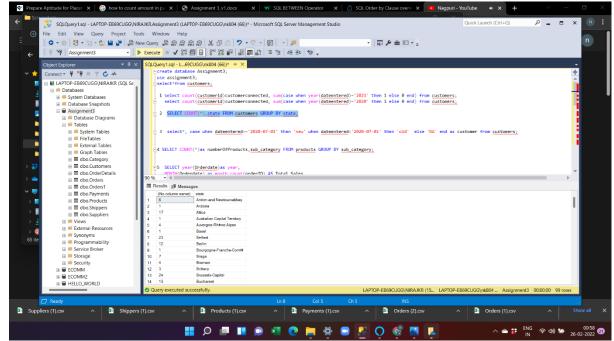




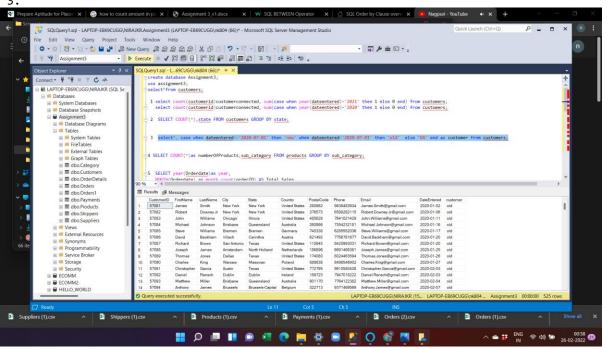
select count(customerid)customerconnected, sum(case when year(dateentered)='2021
then 1 else 0 end) from customers;

select count(customerid)customerconnected, sum(case when year(dateentered)='2020'
then 1 else 0 end) from customers;

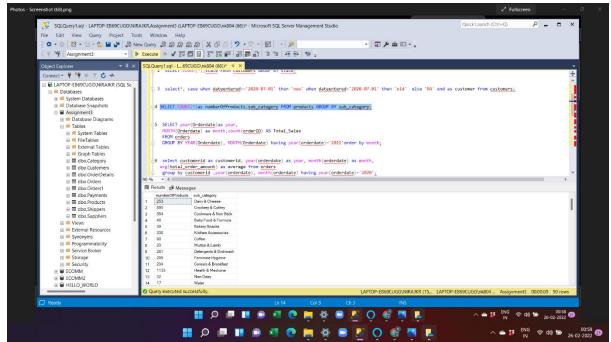
2.



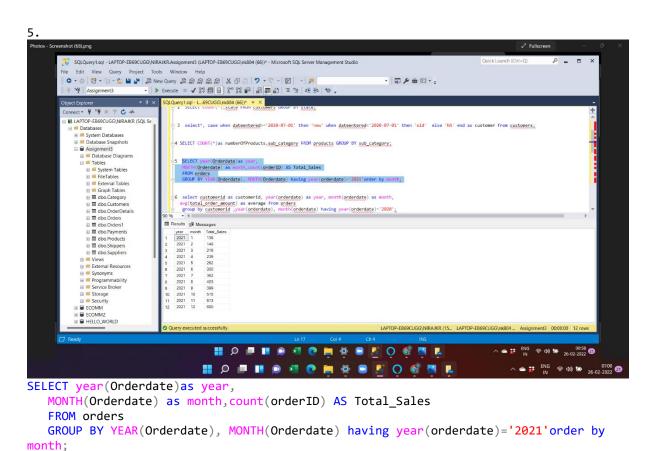
SELECT COUNT(*), state FROM customers GROUP BY state;

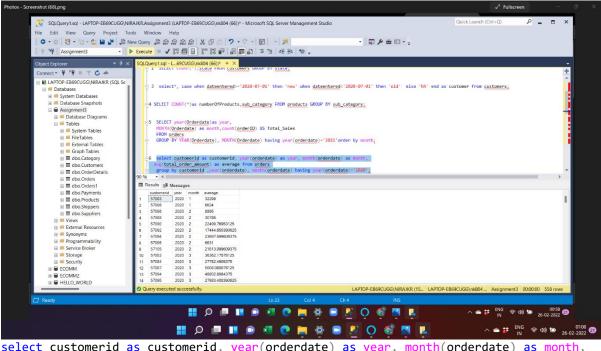


select*, case when dateentered>='2020-07-01' then 'new' when dateentered<'2020-07-01' then 'old' else 'NA' end as customer from customers;

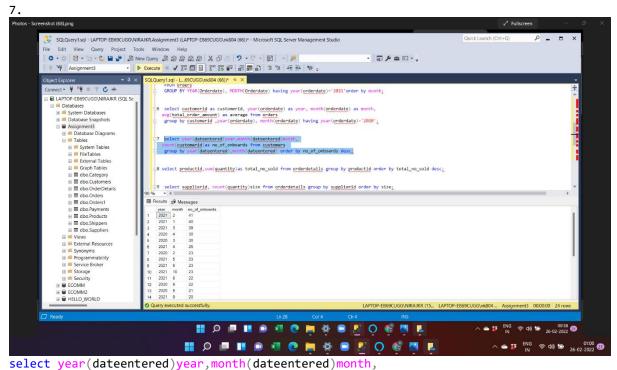


4. SELECT COUNT(*)as numberOfProducts,sub_category FROM products GROUP BY
sub_category;

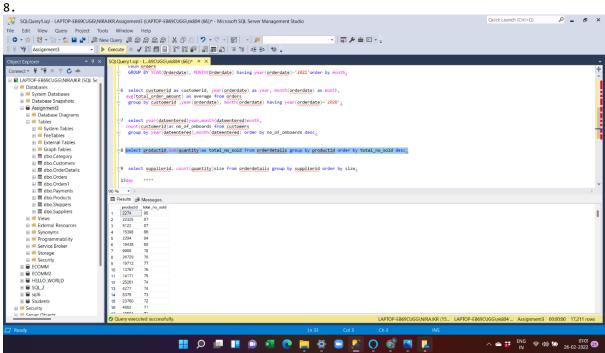




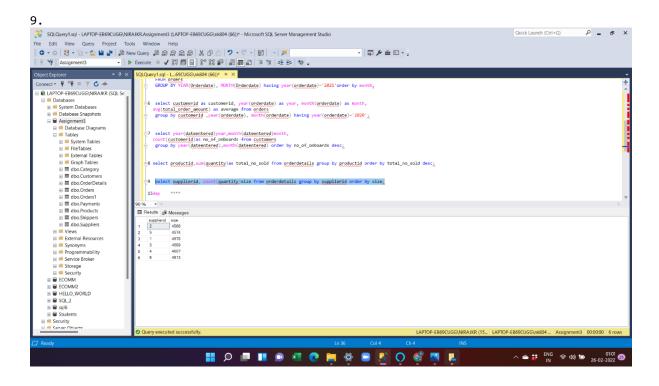
select customerid as customerid, year(orderdate) as year, month(orderdate) as month,
 avg(total_order_amount) as average from orders
 group by customerid ,year(orderdate), month(orderdate) having
year(orderdate)='2020';



count(customerid)as no_of_onboards from customers
 group by year(dateentered), month(dateentered) order by no_of_onboards desc;

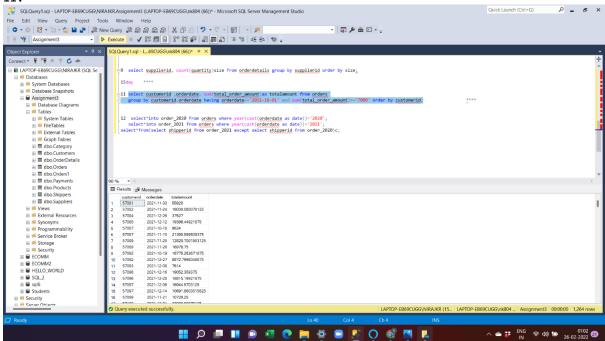


select productid,sum(quantity)as total_no_sold from orderdetails group by productid
order by total_no_sold desc;

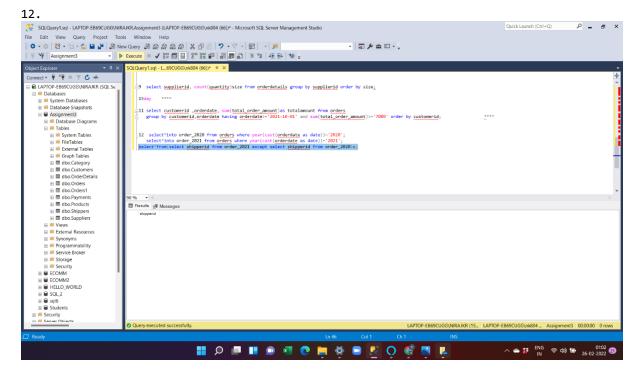


select supplierid, count(quantity)size from orderdetails group by supplierid order by
size;

11.



select customerid ,orderdate, sum(total_order_amount)as totalamount from orders
 group by customerid,orderdate having orderdate>='2021-10-01' and
sum(total_order_amount)>='7000' order by customerid; *****



select*into order_2020 from orders where year(cast(orderdate as date))='2020';
 select*into order_2021 from orders where year(cast(orderdate as date))='2021';
select*from(select shipperid from order_2021 except select shipperid from
order_2020)c;

Q.5 ANS: The UNION operation combines the results of two subqueries into a single result that comprises the rows that are returned by both queries. The INTERSECT operation combines the results of two queries into a single result that comprises all the rows common to both queries

Q.6 ANS: The INTERSECT operation combines the results of two queries into a single result that comprises all the rows common to both queries EXCEPT/MINUS operation finds the difference between the two queries and the result comprises the rows that belong only to the first query

Q.7 ANS: CONCAT_WS() function can do the concatenation along with a separator between strings, whereas in CONCAT() function there is no concept of the separator

Eg: concat() = RAMISBOY and CONCAT_WS()= RAM IS BOY

Q.8 ANS: a. 'esruoC LQS'

B. SQL

C. 'SQL Course'