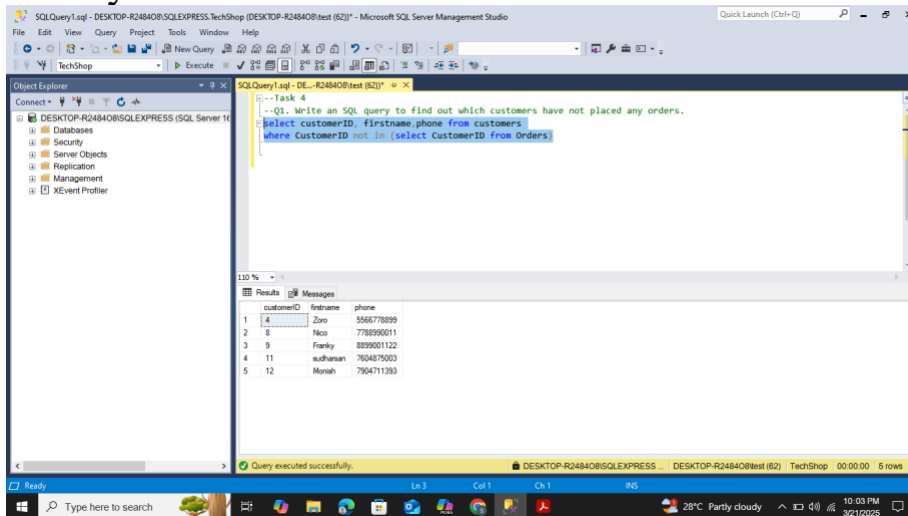


# Hexaware Training Assignment

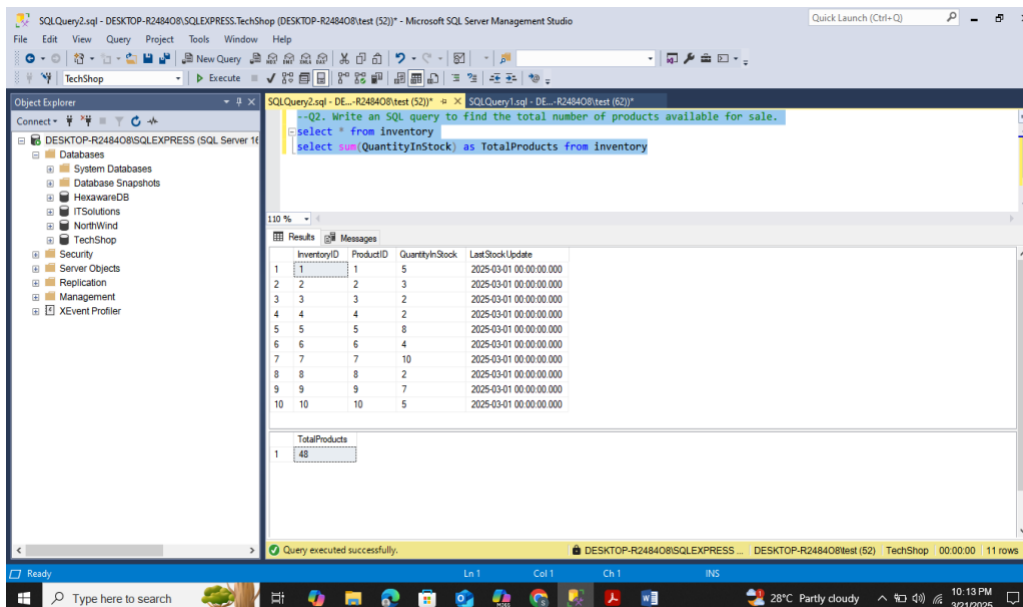
## TechShop

### Task 4

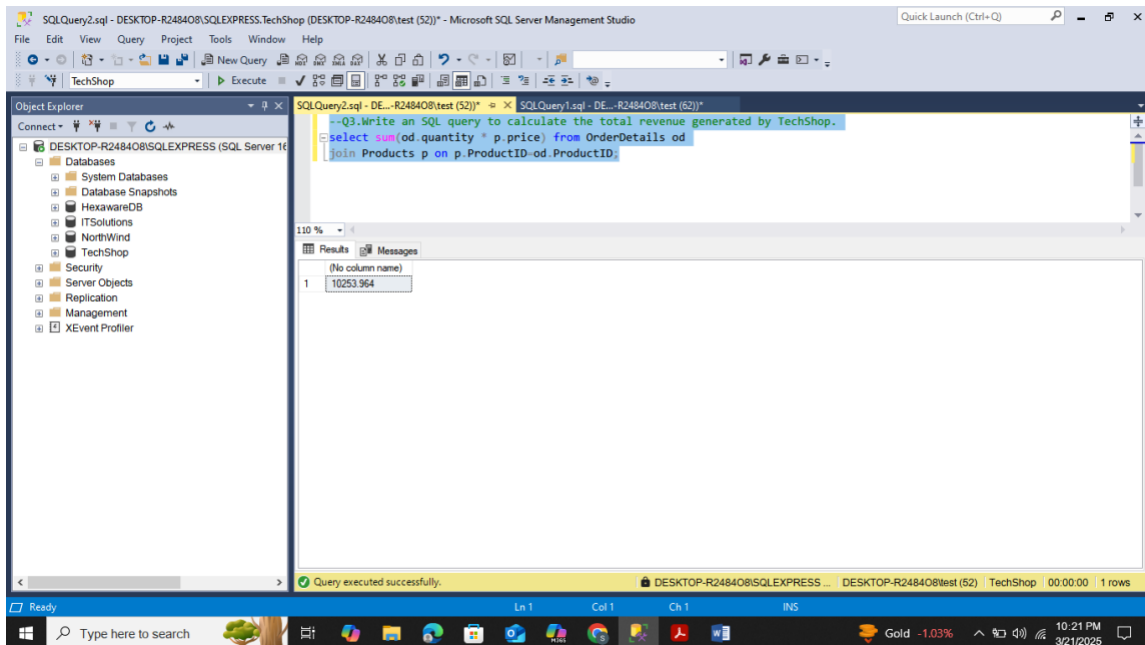
Question 1 – Write an SQL query to find out which customers have not placed any orders.



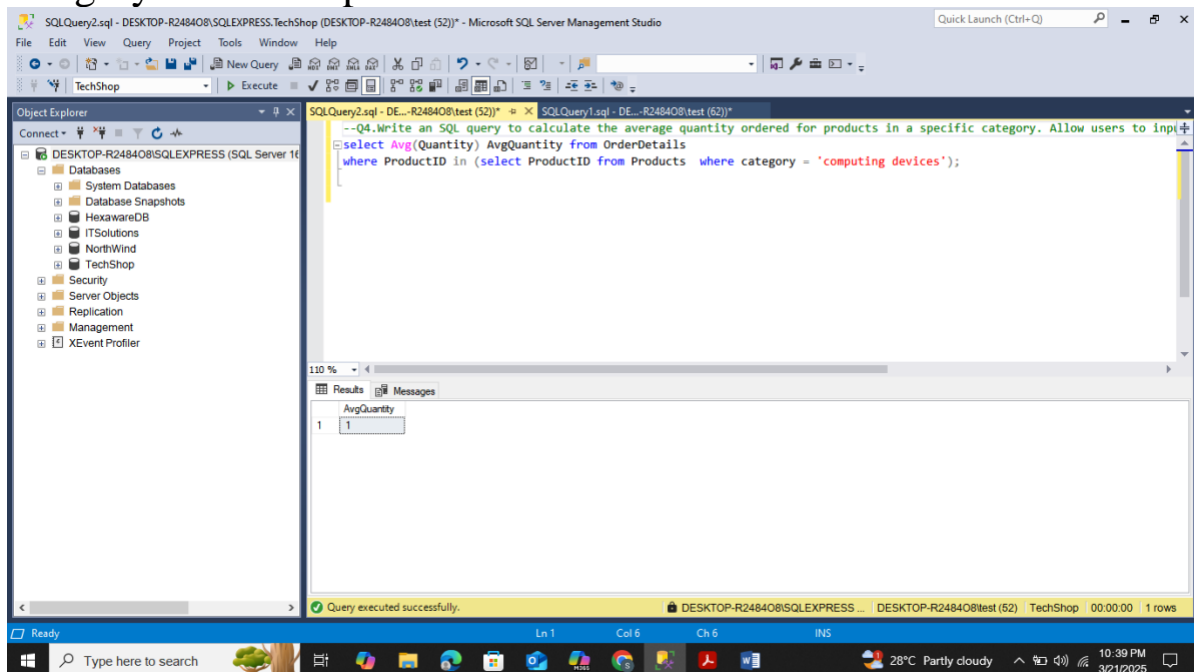
Question 2 --Write an SQL query to find the total number of products available for sale.



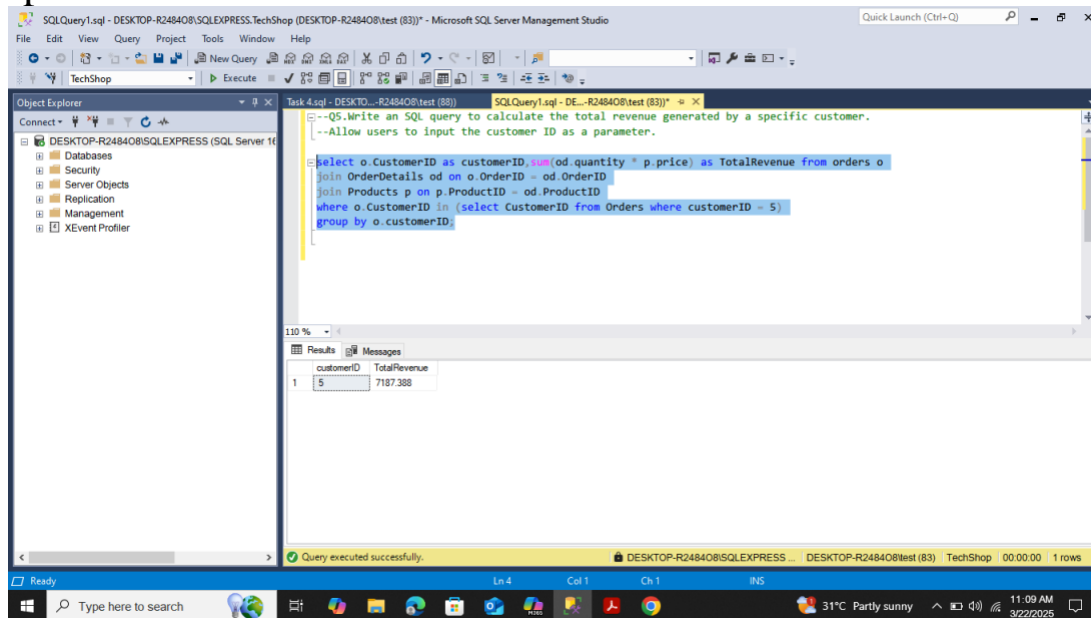
Question 3 -- Write an SQL query to calculate the total revenue generated by TechShop.



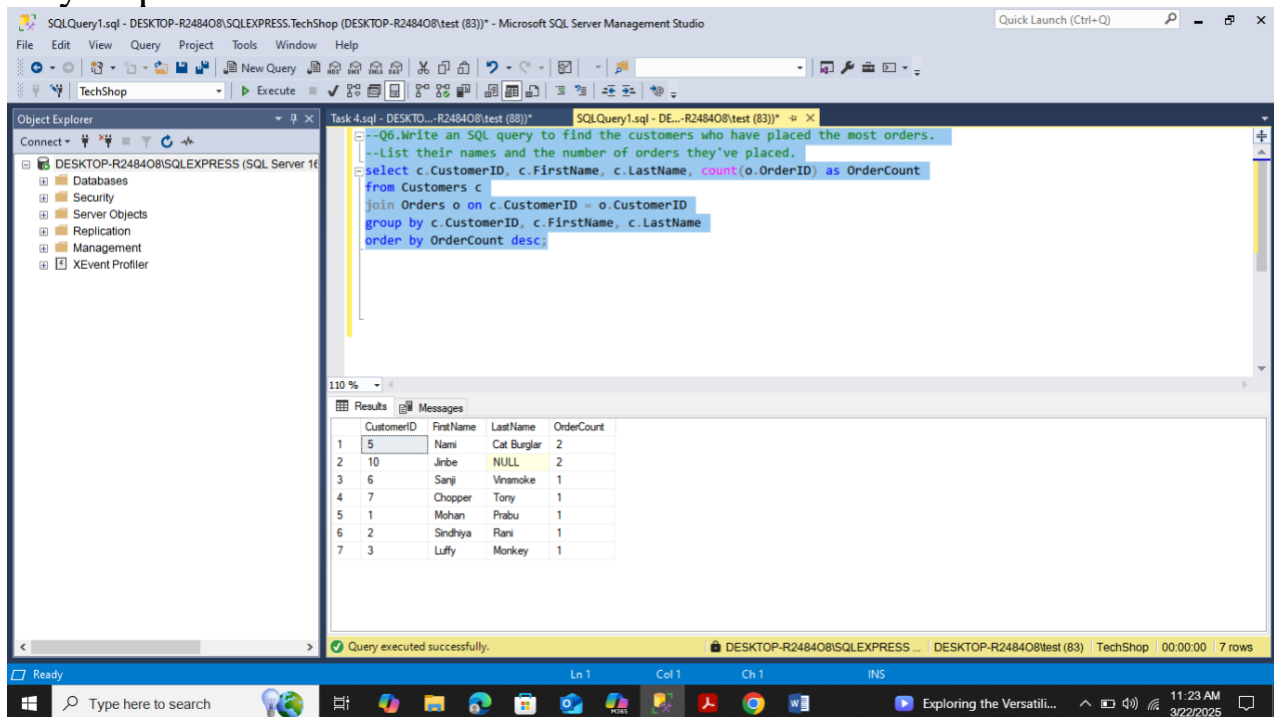
Question 4 -- Write an SQL query to calculate the average quantity ordered for products in a specific category. Allow users to input the category name as a parameter.



Question 5 --Write an SQL query to calculate the total revenue generated by a specific customer. Allow users to input the customer ID as a parameter.



Question 6 -- Write an SQL query to find the customers who have placed the most orders. List their names and the number of orders they've placed.



Question 7 -- Write an SQL query to find the most popular product category, which is the one with the highest total quantity ordered across all orders.

The screenshot shows the Microsoft SQL Server Management Studio interface. The query editor contains the following SQL code:

```
--Write an SQL query to find the most popular product category,
--which is the one with the highest total quantity ordered across all orders.
select p.category , sum(od.quantity) TotalQuantity from OrderDetails od
join Products p on p.ProductID = od.ProductID
group by p.category
order by TotalQuantity desc;

select top 1 p.category , sum(od.quantity) TotalQuantity from OrderDetails od
join Products p on p.ProductID = od.ProductID
group by p.category
order by TotalQuantity desc;
```

The Results pane shows the following data:

category	TotalQuantity
1 Wearable Tech	3
2 Accessories	2
3 Computing Devices	2
4 Entertainment	1

The status bar at the bottom indicates "Query executed successfully." and "5 rows".

Question 8 --Write an SQL query to find the customer who has spent the most money (highest total revenue) on electronic gadgets. List their name and total spending.

The screenshot shows the Microsoft SQL Server Management Studio interface. The query editor contains the following SQL code:

```
--Q8. Write an SQL query to find the customer who has spent the most money (highest total revenue) on electronic gadgets.
--List their name and total spending.
select c.FirstName, c.LastName , o.TotalAmount from Customers c
join orders o on o.CustomerID = c.CustomerID
where o.TotalAmount = (select max(totalamount) from orders);
```

The Results pane shows the following data:

FirstName	LastName	TotalAmount
1 Nani	Cat Burglar	7187.39

The status bar at the bottom indicates "Query executed successfully." and "1 rows".

Question 9 -- Write an SQL query to calculate the average order value (total revenue divided by the number of orders) for all customers.

The screenshot shows the Microsoft SQL Server Management Studio interface. The query editor contains the following SQL query:

```
--9. Write an SQL query to calculate the average order value
--(total revenue divided by the number of orders) for all customers.
select sum(totalamount) / count(orderID) as AvgOrderValue from orders;
```

The query has been executed successfully, and the results are displayed in the Results pane:

AvgOrderValue
1893.600000

The status bar at the bottom indicates "Query executed successfully." and "1 rows".

Question 10 -- Write an SQL query to find the total number of orders placed by each customer and list their names along with the order count.

The screenshot shows the Microsoft SQL Server Management Studio interface. The query editor contains the following SQL query:

```
--10. Write an SQL query to find the total number of orders placed by each customer
--and list their names along with the order count.
select c.CustomerID, c.firstname, count(orderID) ordercount from Customers c
left join Orders o on o.CustomerID=c.CustomerID
group by c.CustomerID, c.FirstName
order by ordercount desc;
```

The query has been executed successfully, and the results are displayed in the Results pane:

CustomerID	firstname	ordercount
5	Nami	2
10	Jinbe	2
6	Sanji	1
7	Chopper	1
1	Mohan	1
2	Sindhya	1
3	Luffy	1
4	Zoro	0
8	Nico	0
9	Franky	0
11	sudhansan	0
12	Moriah	0

The status bar at the bottom indicates "Query executed successfully." and "12 rows".