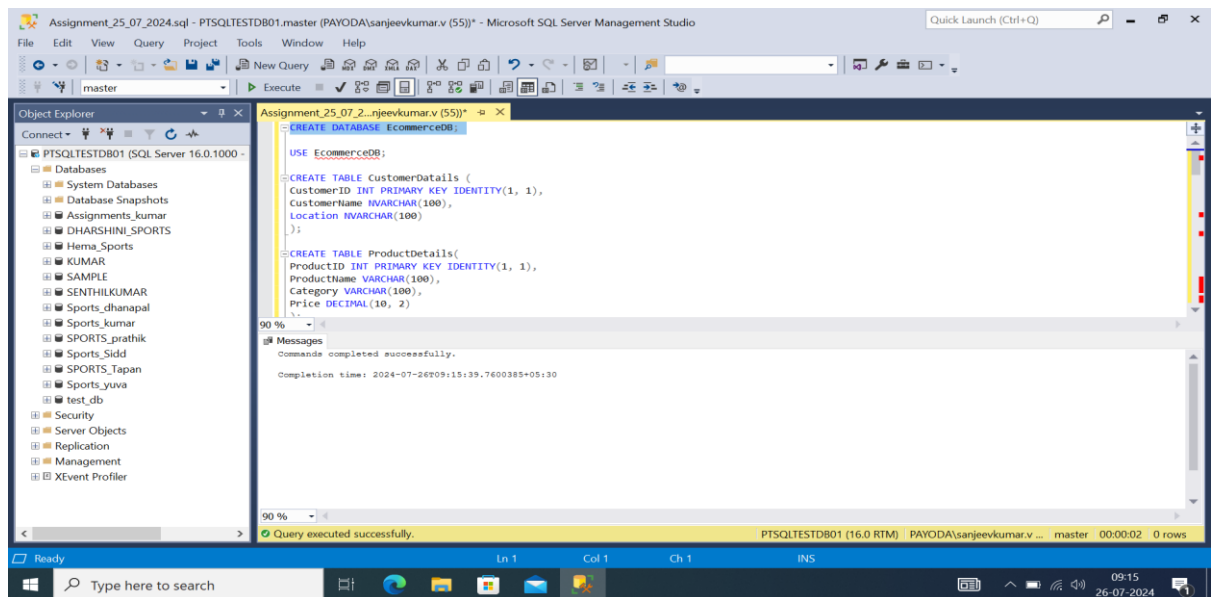
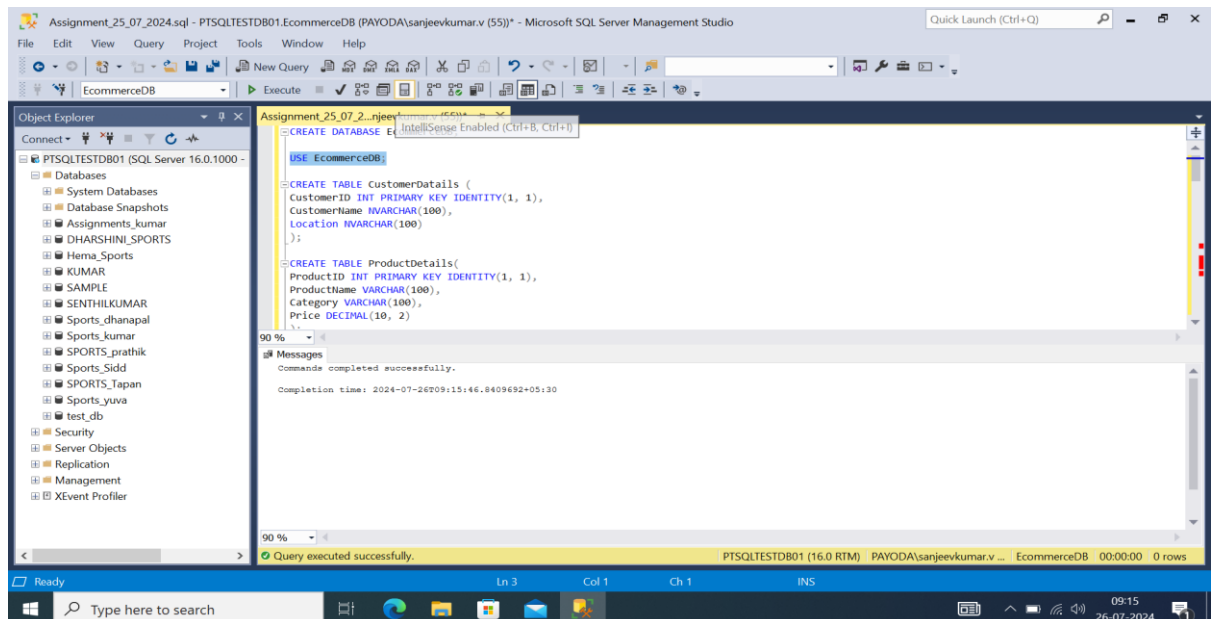


2- DAY – TASK (25-07-2024)

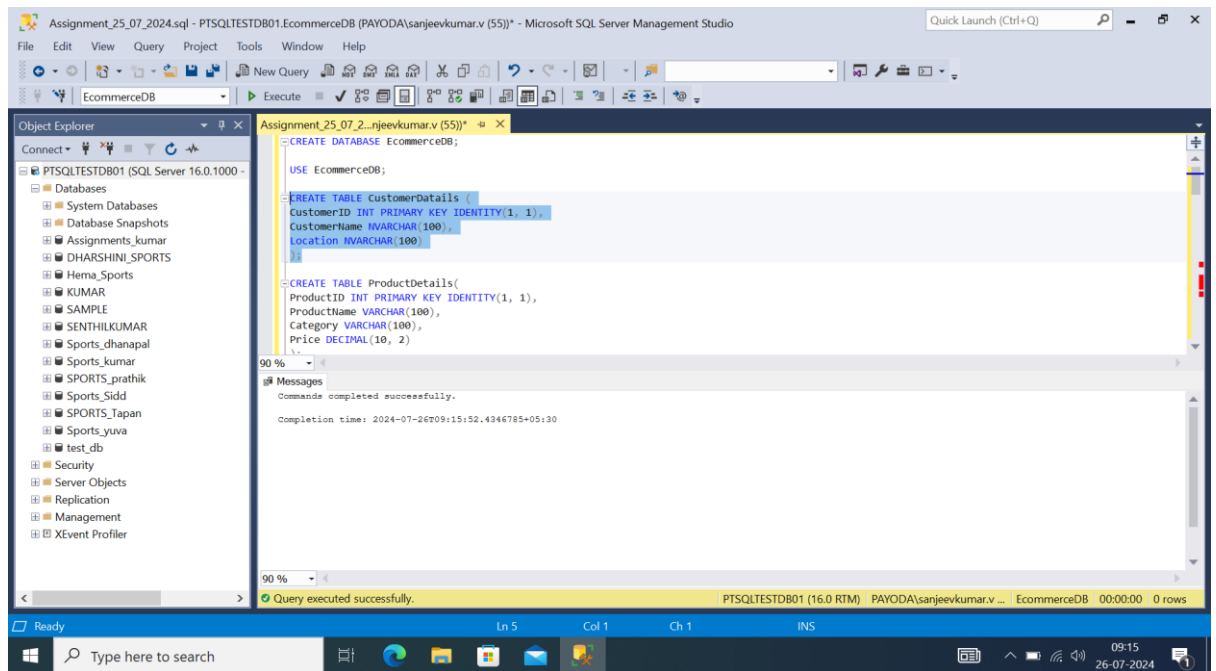
1. Create a DBMS using OLTP for Ecommerce.
2. Fetch all customers and display if there are any order names
3. Fetch all the order names placed from particular location
4. What is the max price of products from particular category
5. Display any product with the product name as like mobile, speaker
6. Create a function that calculate 10% GST from original price
7. Create store procedure that increases all the product prices by 100 ensure atomicity.



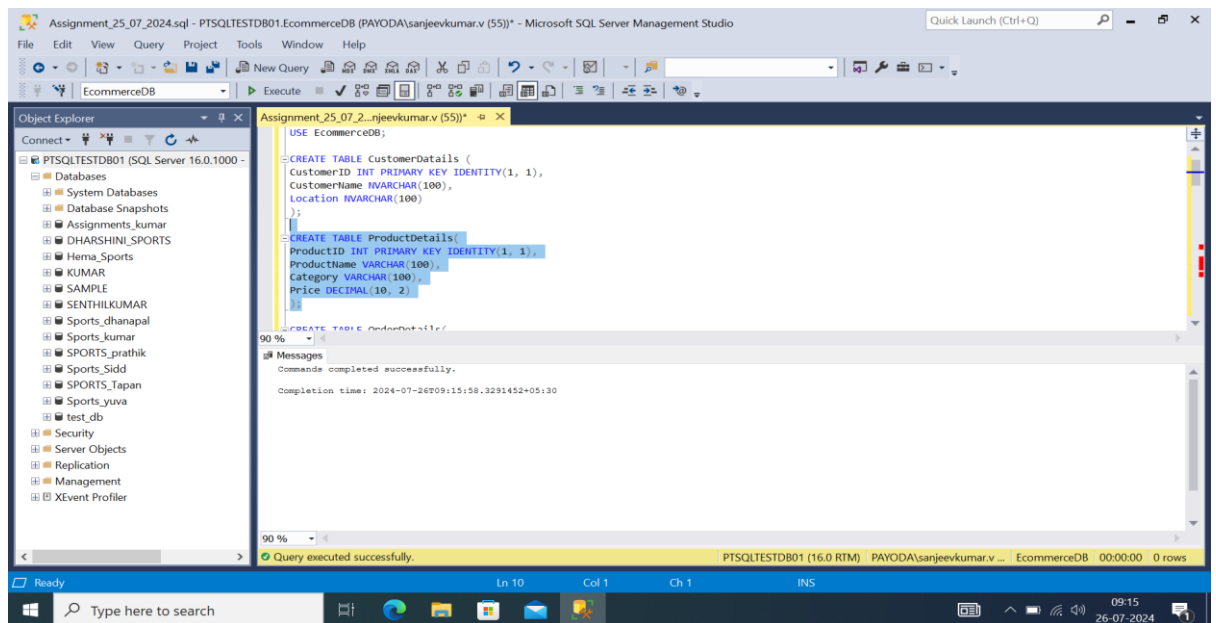
-> create database



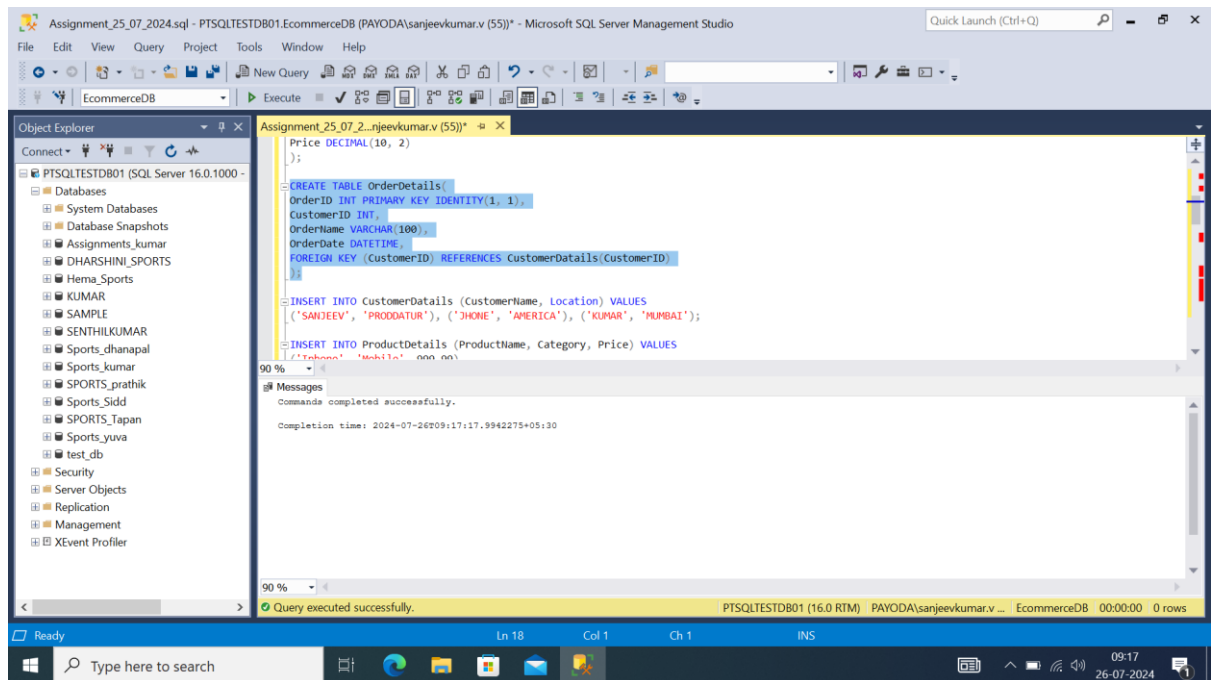
-> use database



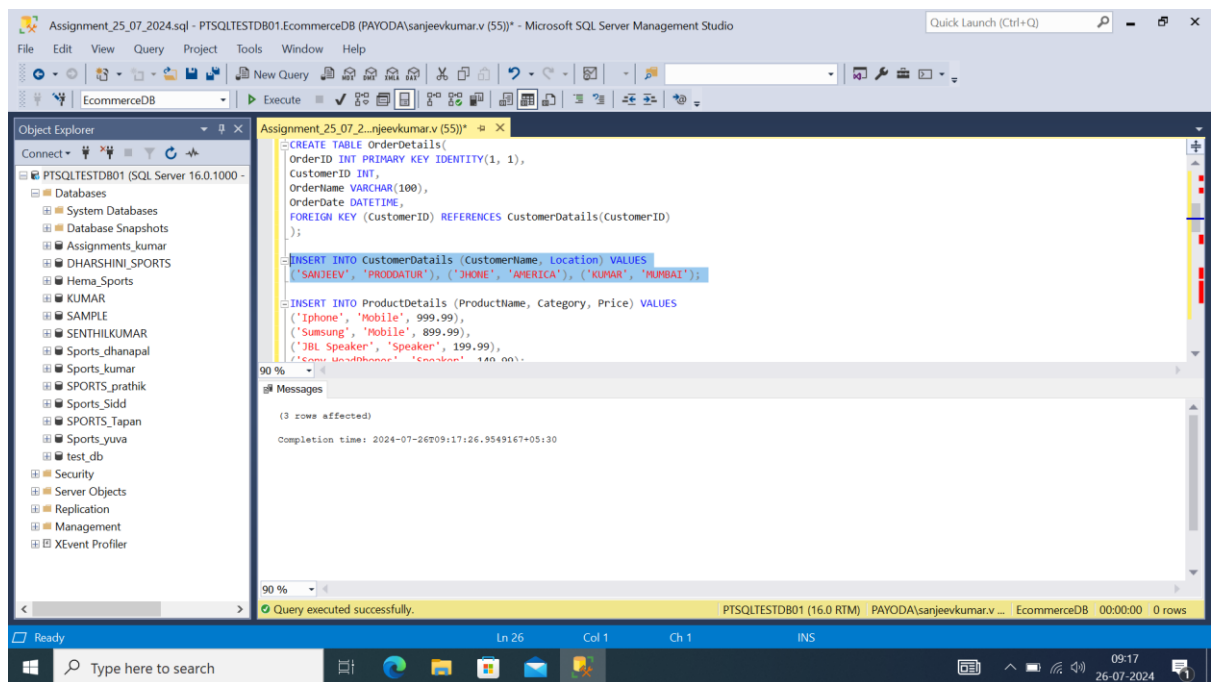
-> create table CustomerDetails



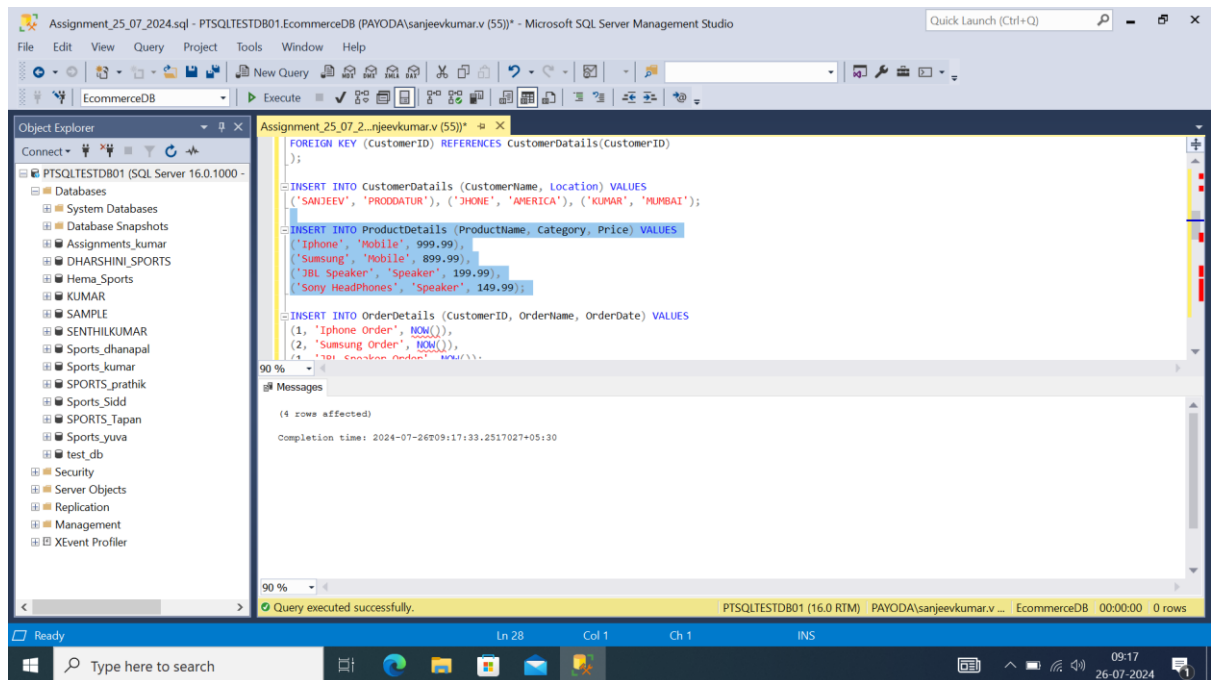
-> Create table ProductDetails



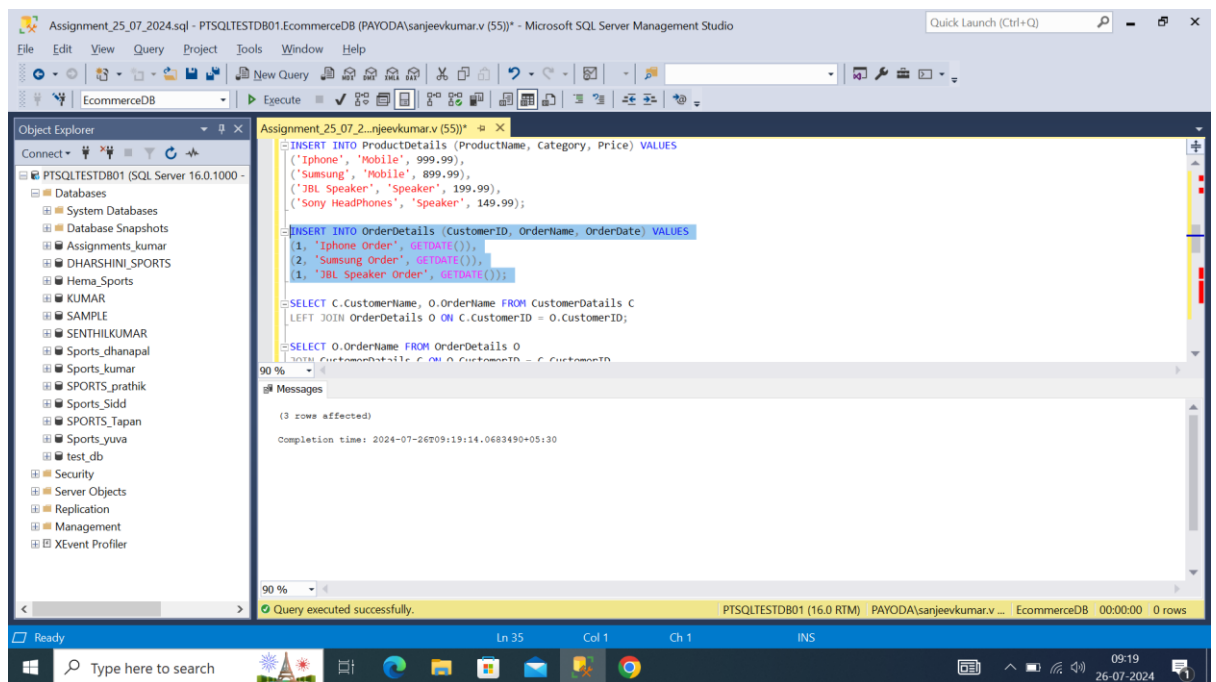
-> Create table OrderDetails



-> Insert values in CustomerDetails table.



-> Insert values in ProductDetails tables



-> Insert values in OrderDetails table

Assignment_25_07_2024.sql - PTSQLESTDB01.EcommerceDB (PAYODA\sanjeevkumar.v (55)) - Microsoft SQL Server Management Studio

Object Explorer: Connect to PTSQLESTDB01 (SQL Server 16.0.1000) - Databases: System Databases, Database Snapshots, Assignments_kumar, DHARSHINI_SPORTS, Hema_Sports, KUMAR, SAMPLE, SENTHILKUMAR, Sports_dhanapal, Sports_kumar, SPORTS_prathik, Sports_Sidd, SPORTS_Tapan, Sports_yuva, test_db, Security, Server Objects, Replication, Management, XEvent Profiler

Query Editor: Assignment_25_07_2-njeevkumar.v (55)

```

--('Sumsung', 'Mobile', 899.99),
--('JBL Speaker', 'Speaker', 199.99),
--('Sony HeadPhones', 'Speaker', 149.99);

INSERT INTO OrderDetails (CustomerID, OrderName, OrderDate) VALUES
(1, 'Iphone Order', GETDATE()),
(2, 'Sumsung Order', GETDATE()),
(1, 'JBL Speaker Order', GETDATE());

--SELECT C.CustomerName, O.OrderName FROM CustomerDetails C
--LEFT JOIN OrderDetails O ON C.CustomerID = O.CustomerID;

--SELECT O.OrderName FROM OrderDetails O
--JOIN CustomerDetails C ON O.CustomerID = C.CustomerID
--WHERE C.Location = 'PRODDATUR';

```

Results: 4 rows

CustomerName	OrderName
1 SANJEEV	Iphone Order
2 SANJEEV	JBL Speaker Order
3 JHONE	Sumsung Order
4 KUMAR	NULL

Query executed successfully. PTSQLESTDB01 (16.0 RTM) PAYODA\sanjeevkumar.v ... EcommerceDB 00:00:00 4 rows

-> Fetch all customers and display if there are any order names

Assignment_25_07_2024.sql - PTSQLESTDB01.EcommerceDB (PAYODA\sanjeevkumar.v (55)) - Microsoft SQL Server Management Studio

Object Explorer: Connect to PTSQLESTDB01 (SQL Server 16.0.1000) - Databases: System Databases, Database Snapshots, Assignments_kumar, DHARSHINI_SPORTS, Hema_Sports, KUMAR, SAMPLE, SENTHILKUMAR, Sports_dhanapal, Sports_kumar, SPORTS_prathik, Sports_Sidd, SPORTS_Tapan, Sports_yuva, test_db, Security, Server Objects, Replication, Management, XEvent Profiler

Query Editor: Assignment_25_07_2-njeevkumar.v (55)

```

--INSERT INTO OrderDetails (CustomerID, OrderName, OrderDate) VALUES
--(1, 'Iphone Order', GETDATE()),
--(2, 'Sumsung Order', GETDATE()),
--(1, 'JBL Speaker Order', GETDATE());

--SELECT C.CustomerName, O.OrderName FROM CustomerDetails C
--LEFT JOIN OrderDetails O ON C.CustomerID = O.CustomerID;

--SELECT O.OrderName FROM OrderDetails O
--JOIN CustomerDetails C ON O.CustomerID = C.CustomerID
--WHERE C.Location = 'PRODDATUR';

--SELECT MAX(Price) AS MaxPrice FROM ProductDetails
--WHERE Category = 'Mobile';

--SELECT * FROM ProductDetails;

```

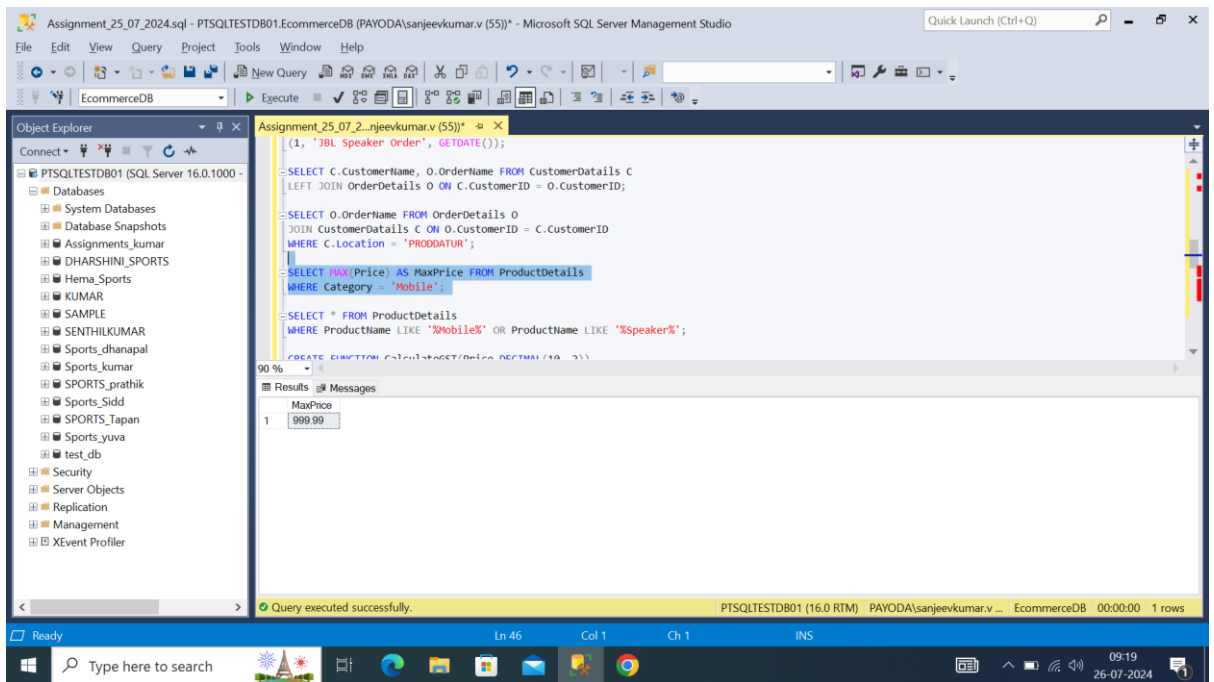
Results: 2 rows

OrderName
1 Iphone Order
2 JBL Speaker Order

Query executed successfully. PTSQLESTDB01 (16.0 RTM) PAYODA\sanjeevkumar.v ... EcommerceDB 00:00:00 2 rows

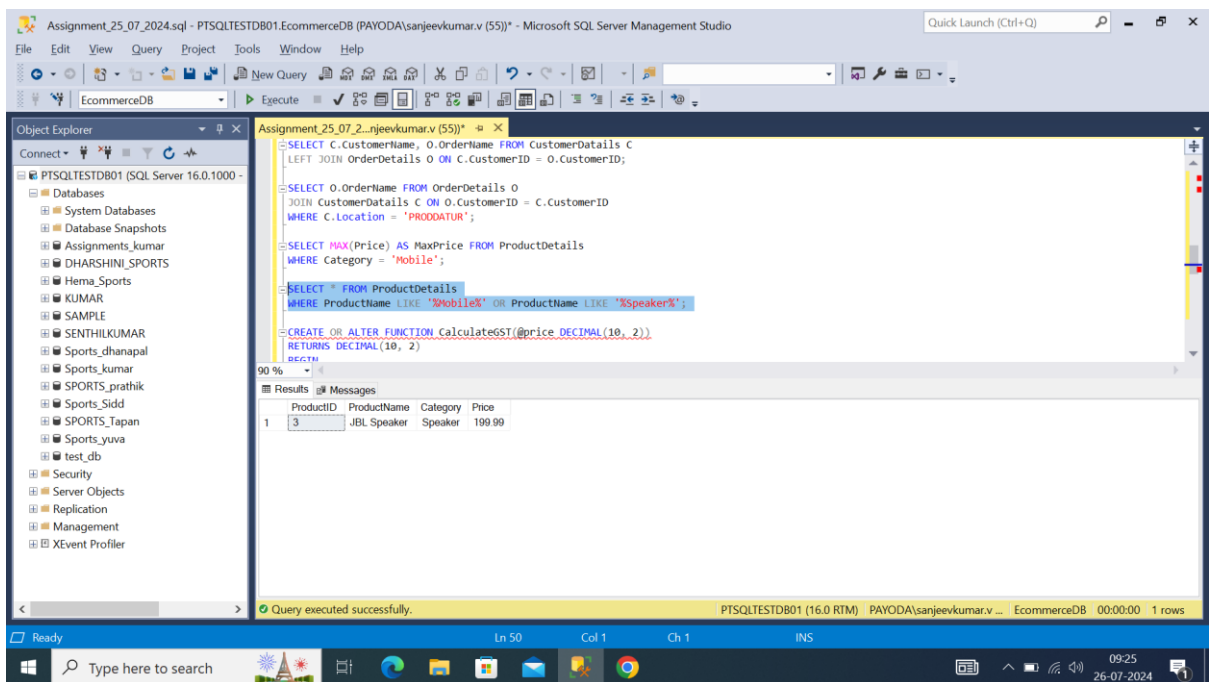
1.

-> Fetch all the order names placed from particular location

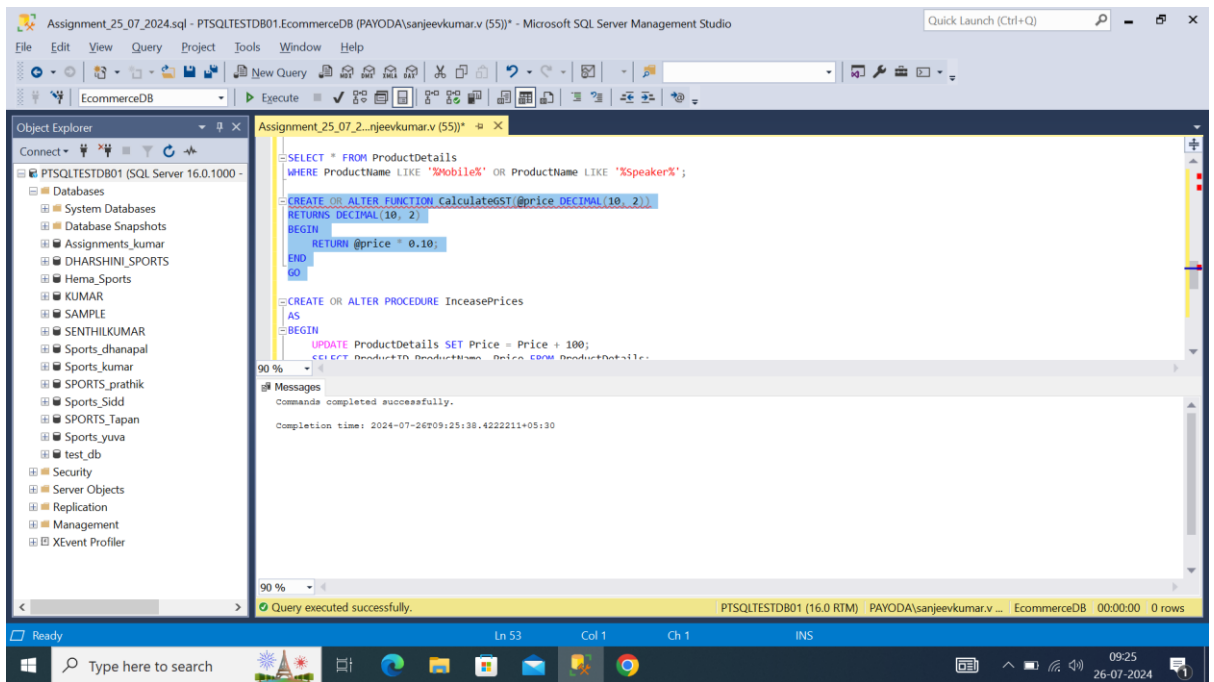


1.

-> The max price of products from particular category

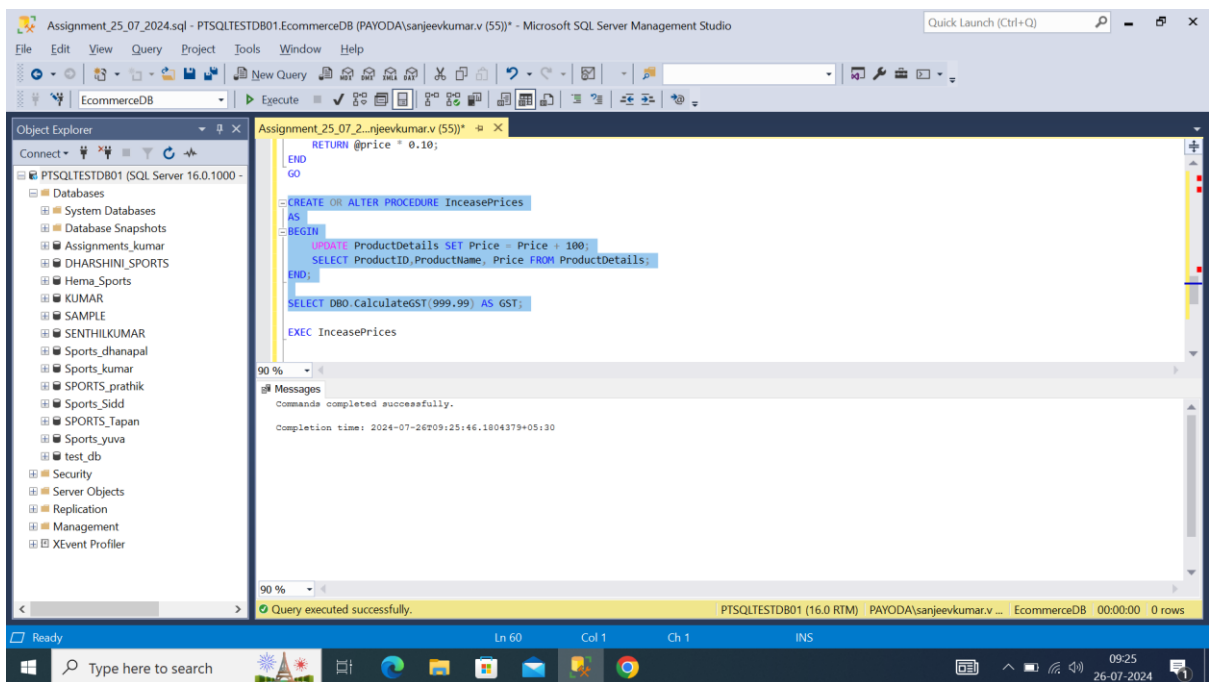


-> Display any product with the product name as like mobile, speaker



1.

-> Create a function that calculate 10% GST from original price



1.

-> Create store procedure that increases all the product prices by 100 ensure atomicity.

Assignment_25_07_2024.sql - PTSQLESTDB01.EcommerceDB (PAYODA\sanjeevkumar.v (55)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Object Explorer

Connect +

PTSQLESTDB01 (SQL Server 16.0.1000 -)

Databases

- System Databases
- Database Snapshots
- Assignments_kumar
- DHARSHINI_SPORTS
- Hema_Sports
- KUMAR
- SAMPLE
- SENTHILKUMAR
- Sports_dhanapal
- Sports_kumar
- SPORTS_prathik
- Sports_Sidd
- SPORTS_Tapan
- Sports_yuva
- test_db
- Security
- Server Objects
- Replication
- Management
- XEvent Profiler

Assignment_25_07_2...njeevkumar.v (55))

```
RETURN @price * 0.10;  
END  
GO  
  
CREATE OR ALTER PROCEDURE IncreasePrices  
AS  
BEGIN  
    UPDATE ProductDetails SET Price = Price + 100;  
    SELECT ProductID, ProductName, Price FROM ProductDetails;  
END;  
  
SELECT DBO.CalculateGST(999.99) AS GST;  
  
EXEC IncreasePrices
```

90 %

Results Messages

	ProductID	ProductName	Price
1	1	Iphone	1099.99
2	2	Samsung	999.99
3	3	JBL Speaker	299.99
4	4	Sony HeadPhones	249.99

	GST
1	100.00

Query executed successfully. PTSQLESTDB01 (16.0 RTM) PAYODA\sanjeevkumar.v ... EcommerceDB 00:00:00 5 rows

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Type here to search

09:25 26-07-2024

-> Display Increases price and GST