Assignment-4

1.(a)

Create Proc spAvgFreightValueOfCustomer

AS

BEGIN

select CustomerID, Avg(Freight)

from Orders

group by CustomerID;

END

(b) Create PROCEDURE spInsertUpdateOrders

(

@OrderID int = 0,

@CustomerID nchar(5),

@EmployeeID int,

@OrderDate datetime,

@RequiredDate datetime,

@ShippedDate datetime,

@ShipVia int,

@Freight money,

@ShipName nvarchar(40),

@ShipAddress nvarchar(60),

@ShipCity nvarchar(15),

@ShipRegion nvarchar(15),

@ShipPostalCode nvarchar(10),

@ShipCountry nvarchar(15)

)

AS

BEGIN

IF @OrderID > 0

BEGIN

UPDATE Orders

SET

CustomerID = @CustomerID,

EmployeeID = @EmployeeID,

OrderDate = @OrderDate,

RequiredDate = @RequiredDate,

ShippedDate = @ShippedDate,

ShipVia = @ShipVia,

Freight = @Freight,

ShipName = @ShipName,

ShipAddress = @ShipAddress,

ShipCity = @ShipCity,

ShipRegion = @ShipRegion,

ShipPostalCode = @ShipPostalCode,

ShipCountry = @ShipCountry

Where OrderID = @OrderID

END

ELSE

BEGIN

Insert into Orders values

(

@CustomerID,

@EmployeeID,

@OrderDate,

@RequiredDate,

@ShippedDate,

@ShipVia,

@Freight,

@ShipName,

@ShipAddress,

@ShipCity,

@ShipRegion,

@ShipPostalCode,

@ShipCountry

)

END

END

2. write a SQL query to Create Stored procedure in the Northwind database to retrieve

Employee Sales by Country

Create Proc spEmployeesSalesByCountry

AS

BEGIN

select e.EmployeeID, e.FirstName, e.LastName, o.ShipCountry ,sum(Quantity) as [total sales],ROUND(SUM(CONVERT(decimal(14,2), OD.Quantity \* (1-OD.Discount) \* OD.UnitPrice)), 0) as [Total Purchase]

from Employees e

join

(

Orders o

join [Order Details] od

on o.OrderID = od.OrderID

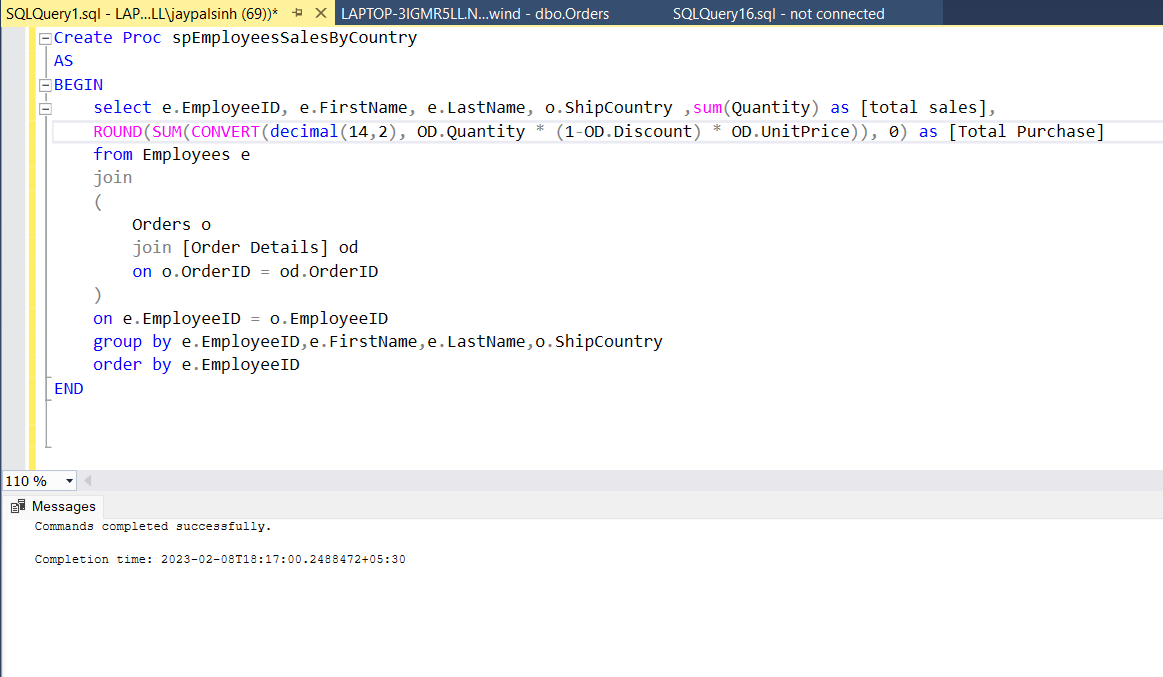
)

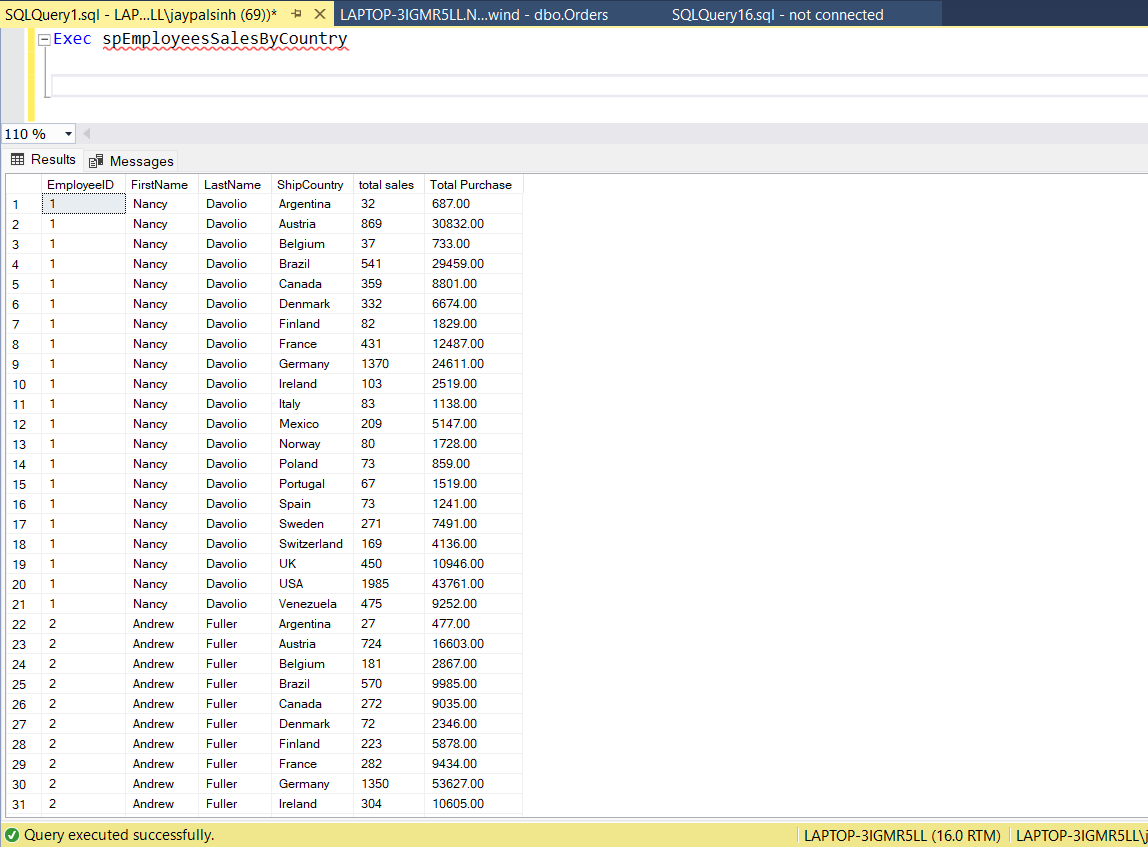
on e.EmployeeID = o.EmployeeID

group by e.EmployeeID,e.FirstName,e.LastName,o.ShipCountry

order by e.EmployeeID

END





3. write a SQL query to Create Stored procedure in the Northwind database to retrieve

Sales by Year

Create Proc spSalesByYear

AS

BEGIN

select year(o.OrderDate) as Year, sum(Quantity) as [Total sales],ROUND(SUM(CONVERT(decimal(14,2), OD.Quantity \* (1-OD.Discount) \* OD.UnitPrice)), 0) as [Total Purchase]

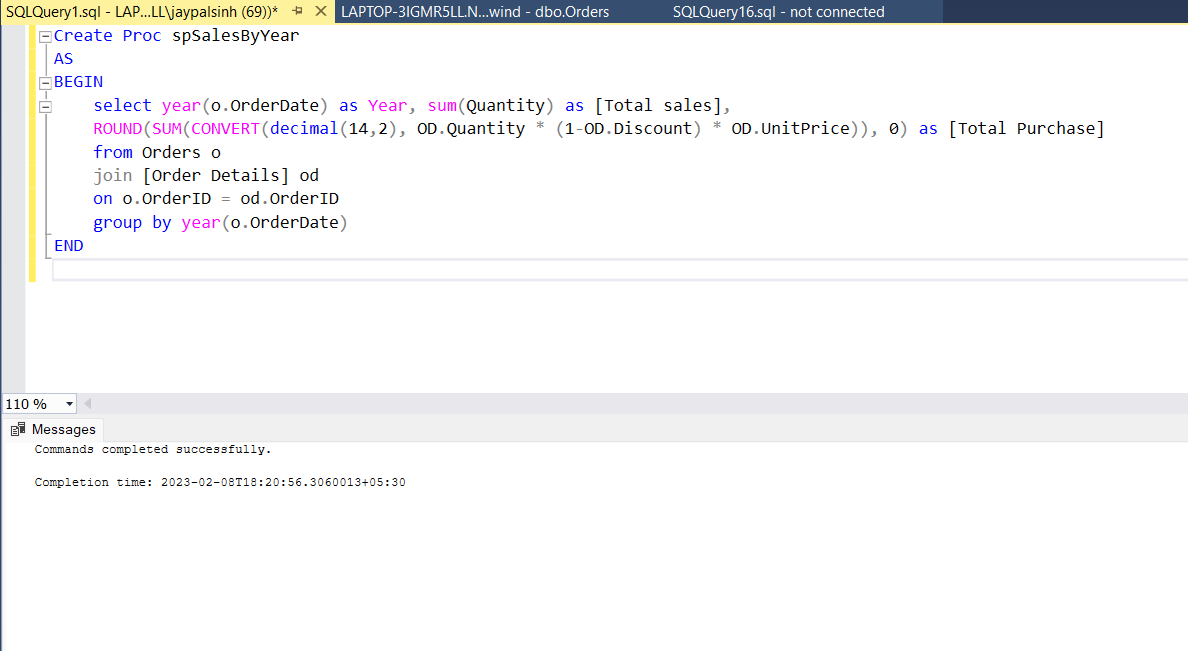
from Orders o

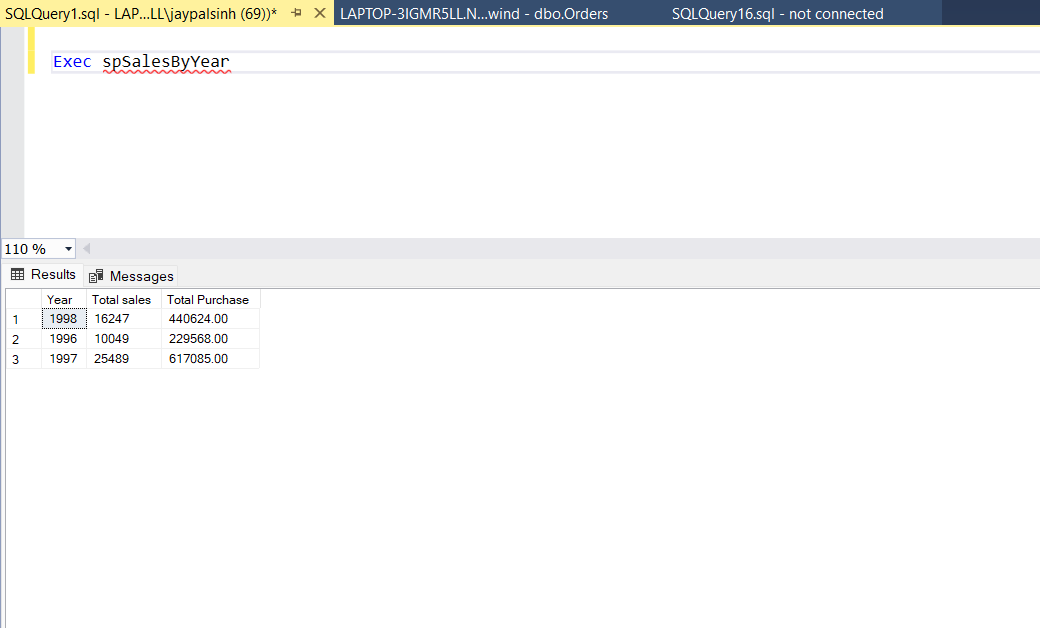
join [Order Details] od

on o.OrderID = od.OrderID

group by year(o.OrderDate)

END





4. write a SQL query to Create Stored procedure in the Northwind database to retrieve

Sales By Category

Create Proc spSalesByCategories

AS

BEGIN

select c.CategoryID, c.CategoryName, p.ProductName, sum(Quantity) as [Total Sales],ROUND(SUM(CONVERT(decimal(14,2), OD.Quantity \* (1-OD.Discount) \* OD.UnitPrice)), 0) as [Total Purchase]

from Categories c

left join Products p

on c.CategoryID = p.CategoryID

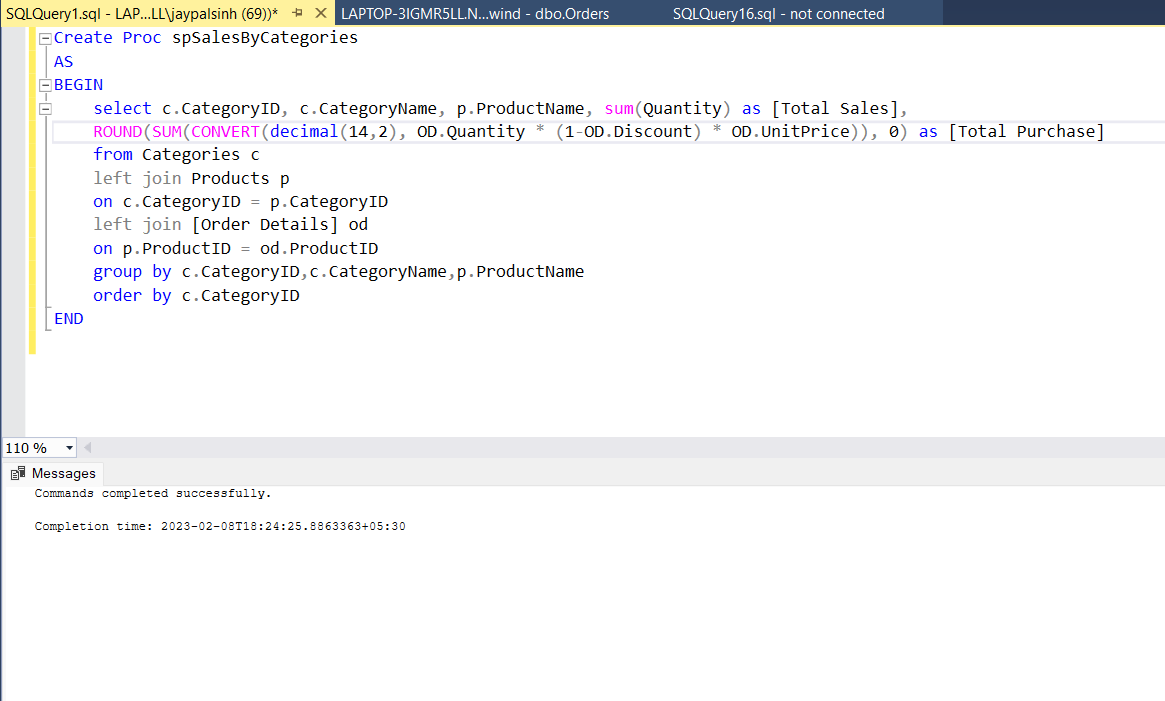
left join [Order Details] od

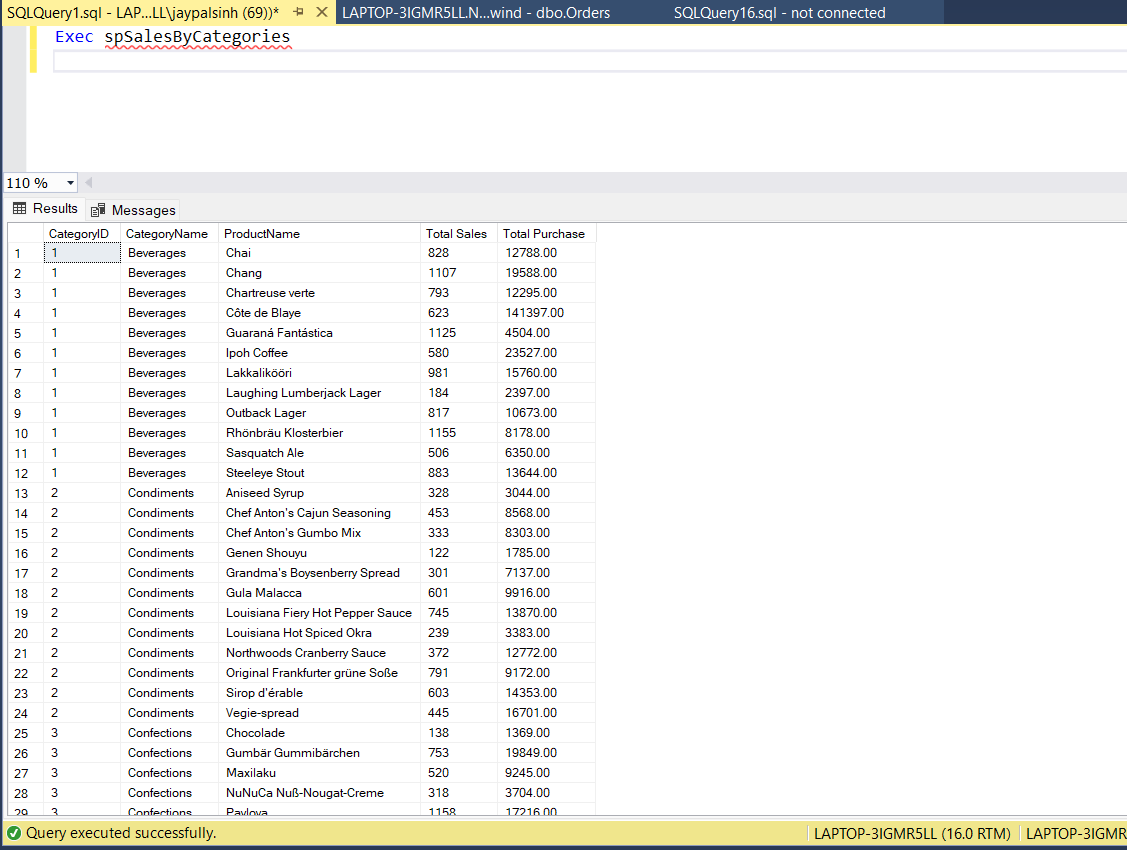
on p.ProductID = od.ProductID

group by c.CategoryID,c.CategoryName,p.ProductName

order by c.CategoryID

END





5. write a SQL query to Create Stored procedure in the Northwind database to retrieve

Ten Most Expensive Products

Create Proc spTopTenExpensiveProducts

AS

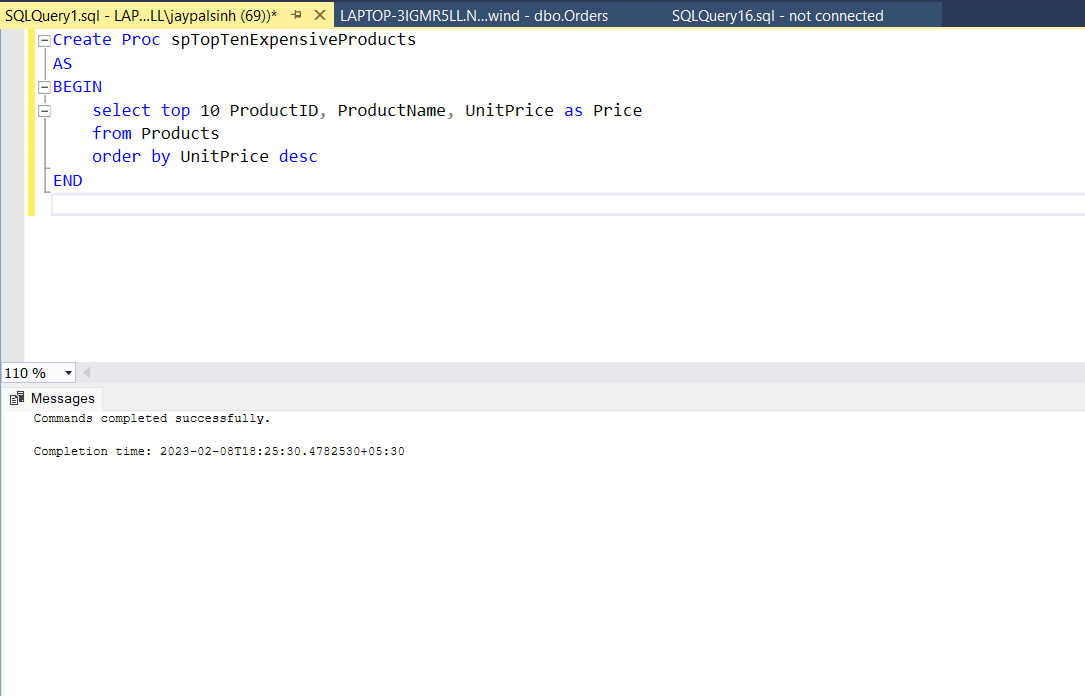
BEGIN

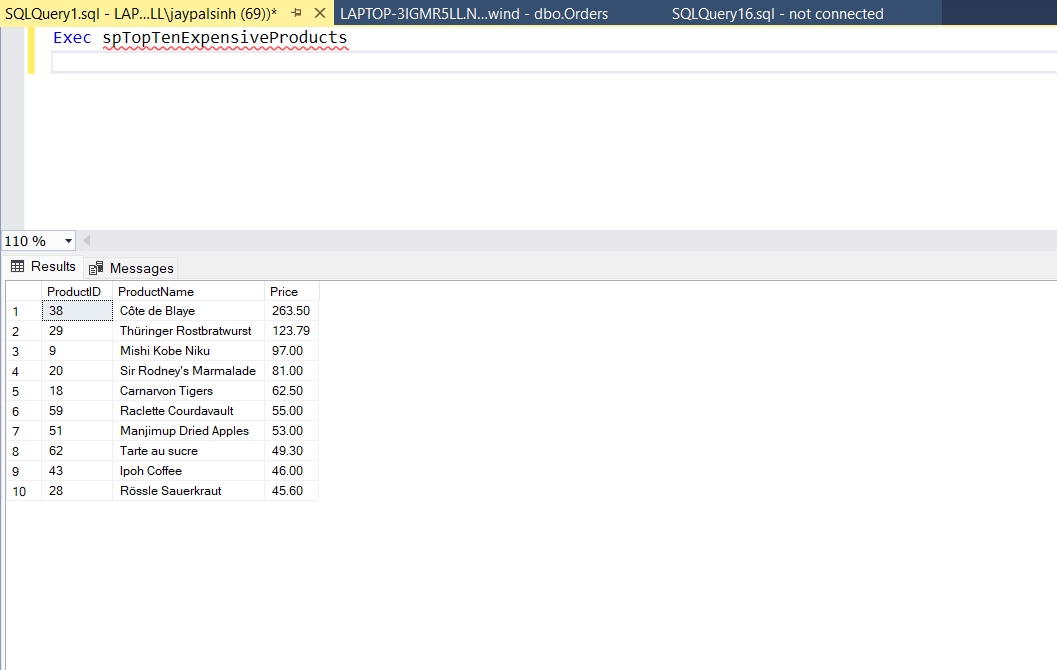
select top 10 ProductID, ProductName, UnitPrice as Price

from Products

order by UnitPrice desc

END





6. write a SQL query to Create Stored procedure in the Northwind database to insert

Customer Order Details

Create Proc spInsertCustomerOrderDetails

(

@OrderID int,

@ProductID int,

@UnitPrice decimal(6,2),

@Quantity int,

@Discount decimal(2,2)

)

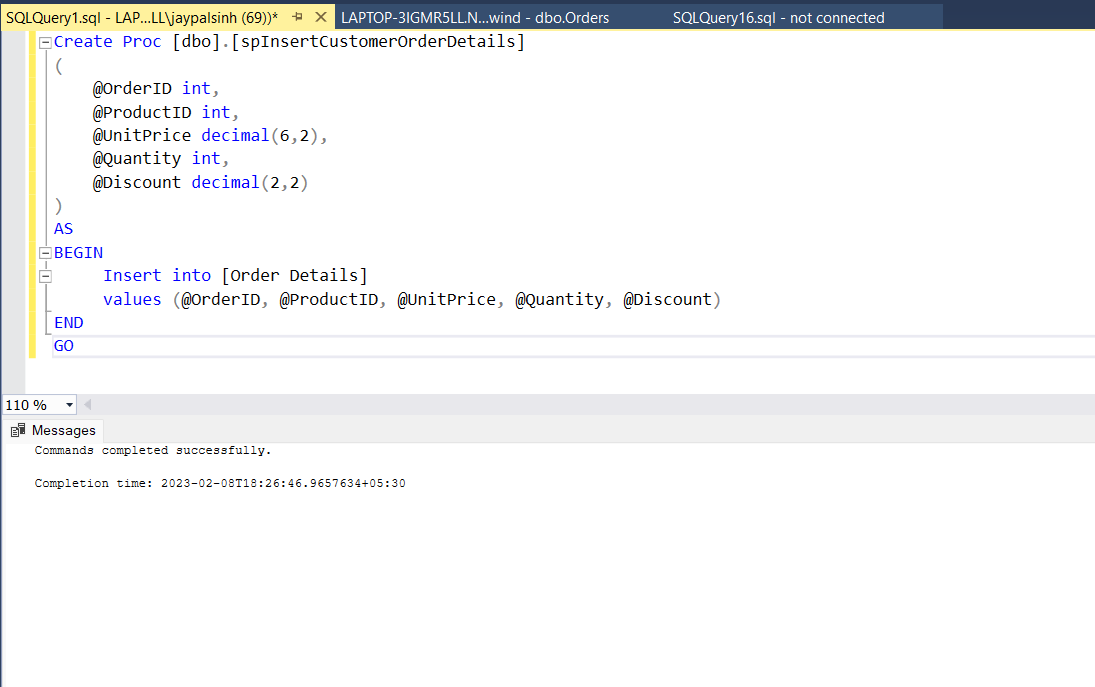
AS

BEGIN

Insert into [Order Details]

values (@OrderID, @ProductID, @UnitPrice, @Quantity, @Discount)

END



7. write a SQL query to Create Stored procedure in the Northwind database to update

Customer Order Details

Create Proc spUpdateCustomerOrderDetails

(

@OrderID int,

@UnitPrice decimal(6,2),

@Quantity int,

@Discount decimal(2,2)

)

AS

BEGIN

Update [Order Details]

SET

UnitPrice = @UnitPrice,

Quantity = @Quantity,

Discount = @Discount

Where OrderID = @OrderID

END

