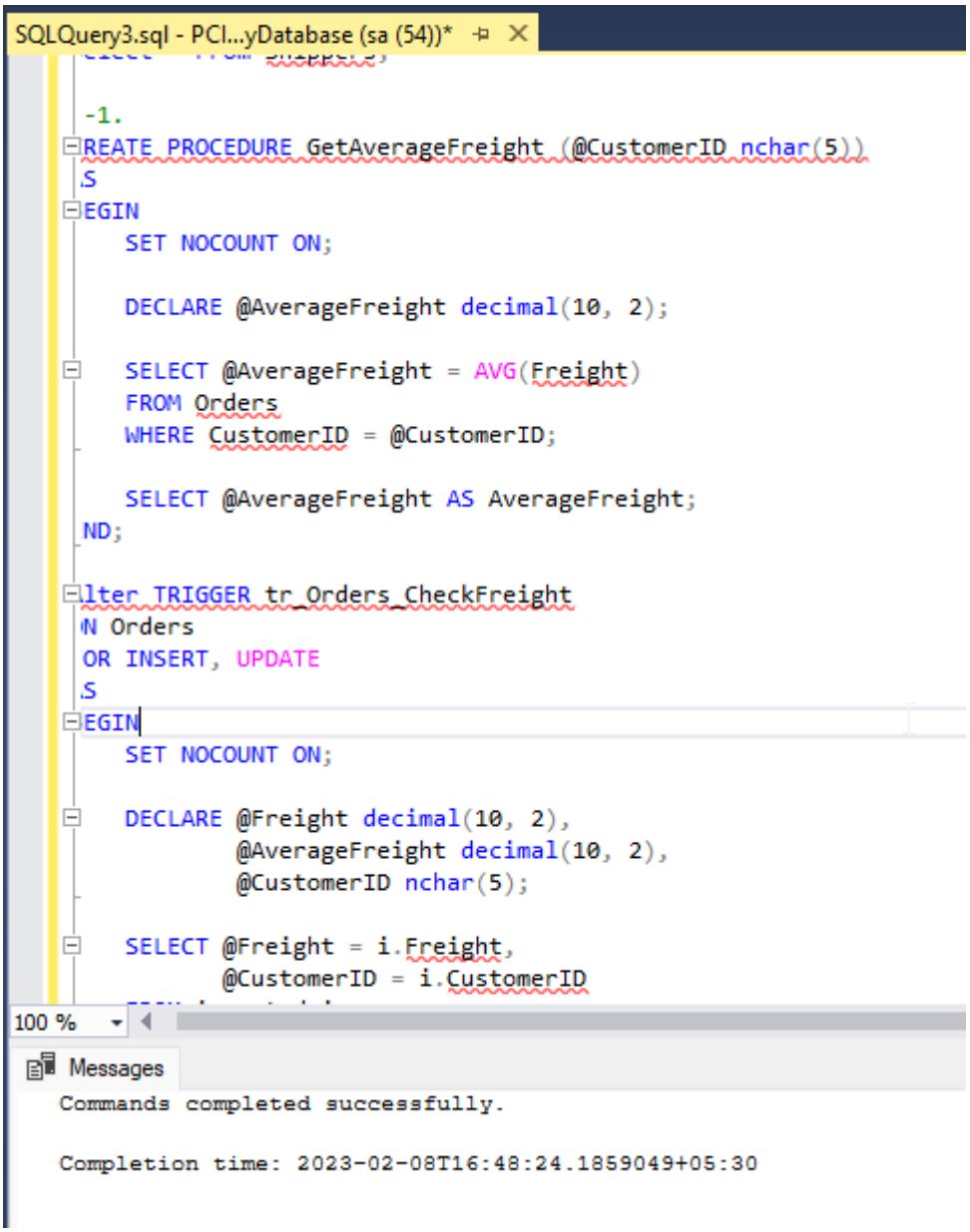
Assignment - 04

1.



2.

```
SQLQuery3.sql - PCI...yDatabase (sa (54))*
Use MyDatabase;
Select * From Categories;
Select * From CustomerCustomerDemo;
Select * From CustomerDemographics;
Select * From Customers;
Select * From Employees;
Select * From EmployeeTerritories;
Select * From [Order Details];
Select * From Orders;
Select * From Products;
Select * From Region;
Select * From Shippers;
--1.
Alter  Procedure Employee_SalesById
    @shipcontry nvarchar(15)
    As
    BEGIN
        SELECT Employees.LastName, Employees.FirstName, Orders.ShippedDate, Orders.OrderID,
        "Order Subtotals".Subtotal AS SaleAmount
        FROM Employees INNER JOIN
        (Orders INNER JOIN "Order Subtotals" ON Orders.OrderID = "Order Subtotals".OrderID)
        ON Employees.EmployeeID = Orders.EmployeeID
        Where shipcountry = @shipcontry
        END

Employee_SalesById 'USA'
```

110 %

Results | Messages

	LastName	FirstName	ShippedDate	OrderID	SaleAmount
1	Callahan	Laura	1996-07-25 00:00:00.000	10262	584.00
2	Buchanan	Steven	1996-08-09 00:00:00.000	10269	642.20
3	Suyama	Michael	1996-08-30 00:00:00.000	10271	48.00
4	Suyama	Michael	1996-08-06 00:00:00.000	10272	1456.00
5	Peacock	Margaret	1996-09-05 00:00:00.000	10294	1887.60
6	Callahan	Laura	1996-10-09 00:00:00.000	10305	3741.30

3.

```
SQLQuery3.sql - PCI...yDatabase (sa (54))*
--2. write a SQL query to Create Stored procedure in the Northwind database to retrieve Sales by Year

Alter  procedure SalesbyYear
    @Beginning_Date  DateTime
    AS
    BEGIN
        SELECT Orders.OrderID, "Order Subtotals".Subtotal, DATENAME(yy,ShippedDate) AS Year
        FROM Orders INNER JOIN "Order Subtotals" ON Orders.OrderID = "Order Subtotals".OrderID
        WHERE Orders.ShippedDate= @Beginning_Date
    END

SalesbyYear '1998'
```

110 %

Results | Messages

	OrderID	Subtotal	Year
1	10791	1829.76	1998

4.

SQLQuery16.sql - P...yDatabase (sa (53)) | SQLQuery15.sql - P...yDatabase (sa (64))* | SQLQuery3.sql - PCI...yDatabase (sa (54))*

```
--4.
Create PROCEDURE SalesByCategory
    @CategoryName nvarchar(15),
    @OrdYear nvarchar(4) = '1998'
    AS
    IF @OrdYear != '1996' AND @OrdYear != '1997' AND @OrdYear != '1998'
    BEGIN
        SELECT @OrdYear = '1998'
    END

SELECT ProductName,
    TotalPurchase=ROUND(SUM(CONVERT(decimal(14,2), OD.Quantity * (1-OD.Discount) * OD.UnitPrice)), 0)
FROM [Order Details] OD, Orders O, Products P, Categories
WHERE OD.OrderID = O.OrderID
    AND OD.ProductID = P.ProductID
    AND P.CategoryID = C.CategoryID
    AND C.CategoryName = @CategoryName
    AND SUBSTRING(CONVERT(nvarchar(22), O.OrderDate, 111), 1, 4) = @OrdYear
GROUP BY ProductName
```

The multi-part identifier "OD.Quantity" could not be bound.

110 %

Results | Messages

	ProductName	TotalPurchase
1	Chai	6296.00
2	Chang	6299.00
3	Chartreuse verte	4261.00
4	Côte de Blaye	67324.00
5	Guaraná Fantástica	2318.00
6	Ipoh Coffee	7526.00
7	Lakkalikööri	6335.00
8	Laughing Lumberjack Lager	1445.00
9	Outback Lager	3395.00
10	Rhönbräu Klosterbier	2954.00
11	Sasquatch Ale	3241.00
12	Steeleye Stout	4632.00

5.

SQLQuery16.sql - P...yDatabase (sa (53)) | SQLQuery15.sql - P...yDatabase (sa (64))* | SQLQuery3.sql - PCI...yDatab

```
--5.
Create Proc TopTen
as
begin
    select top 10  ProductName, UnitPrice from Products order by UnitPrice desc
end

execute TopTen
```

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Results | Messages

	ProductName	UnitPrice
1	Côte de Blaye	263.50
2	Thüringer Rostbratwurst	123.79
3	Mishi Kobe Niku	97.00
4	Sir Rodney's Marmalade	81.00
5	Carnarvon Tigers	62.50
6	Raclette Courdavault	55.00
7	Manjimup Dried Apples	53.00
8	Tarte au sucre	49.30
9	Ipoh Coffee	46.00
10	Rössle Sauerkraut	45.60

6.

SQLQuery16.sql - P...yDatabase (sa (53)) SQLQuery15.sql - P...yDatabase (sa (64))* SQLQuery3.sql - PCI...yDatabase (sa (54))*

```
--6. write a SQL query to Create Stored procedure in the Northwind database to insert
--Customer Order Details

Alter Proc InsertCustomers
    @OrderID int,
    @ProductID int,
    @UnitPrice money,
    @Quantity smallint,
    @Discount real

    As
    BEGIN
        INSERT INTO [Order Details]
         VALUES
               (@OrderID,
               @ProductID,
               @UnitPrice,
               @Quantity,
               @Discount)
    END

InsertCustomers 10248, 46, 20, 10, 0;
```

110 %

Messages

```
(1 row affected)

Completion time: 2023-02-08T16:45:40.5633238+05:30
```

7.

SQLQuery16.sql - P...yDatabase (sa (53)) SQLQuery15.sql - P...yDatabase (sa (64))*

```
InsertCustomers 10248, 46, 20, 10, 0;

--7.
Alter Proc UpdateCustomers
    @ProductID int,
    @UnitPrice money,
    @Quantity smallint,
    @Discount real,
    @OrderID int

    As
    BEGIN
        Update [Order Details]
         SET   @ProductID =ProductID ,
               @UnitPrice=UnitPrice,
               @Quantity=Quantity,
               @Discount=Discount
               Where OrderId = @OrderID;
    END
```

110 %

Results Messages

	OrderID	ProductID	UnitPrice	Quantity	Discount
1	10248	11	14.00	12	0
2	10248	41	20.00	10	0
3	10248	42	9.80	10	0
4	10248	46	20.00	10	0
5	10248	72	34.80	5	0
6	10249	14	18.60	9	0
7	10249	51	42.40	40	0
8	10250	41	7.70	10	0
9	10250	51	42.40	35	0.15
10	10250	65	16.80	15	0.15
11	10251	22	16.80	6	0.05
12	10251	57	15.60	15	0.05
13	10251	65	16.80	20	0