CREATE PROCEDURE pr\_GetOrderSummary

@StartDate DATE,

@EndDate DATE,

@EmployeeID INT = NULL,

@CustomerID nchar (5) = NULL

AS

BEGIN

SELECT

e.TitleOfCourtesy + ' ' + e.FirstName + ' ' + e.LastName AS EmployeeFullName,

s.CompanyName AS ShipperCompanyName,

c.CompanyName AS CustomerCompanyName,

COUNT(o.OrderID) AS NumberOfOrders,

CONVERT(VARCHAR, o.OrderDate, 101) AS Date,

SUM(o.Freight) AS TotalFreightCost,

COUNT(DISTINCT od.ProductID) AS NumberOfDifferentProducts,

SUM(od.UnitPrice \* od.Quantity) AS TotalOrderValue

FROM

Orders AS o

LEFT JOIN

"Order Details" AS od ON o.OrderID = od.OrderID

LEFT JOIN

Employees AS e ON o.EmployeeID = e.EmployeeID

LEFT JOIN

Shippers AS s ON o.ShipVia = s.ShipperID

LEFT JOIN

Customers AS c ON o.CustomerID = c.CustomerID

WHERE

(@StartDate IS NULL OR o.OrderDate >= @StartDate)

AND (@EndDate IS NULL OR o.OrderDate <= @EndDate)

AND (@EmployeeID IS NULL OR e.EmployeeID = @EmployeeID)

AND (@CustomerID IS NULL OR o.CustomerID = @CustomerID)

GROUP BY

o.OrderDate,

e.TitleOfCourtesy,

e.FirstName,

e.LastName,

s.CompanyName,

c.CompanyName;

END;