```
-- BAI THUC HANH STORED PROCEDURE
-- CAU 7:----------------------------------------------------------------

USE Northwind
GO
CREATE PROC DSDonHangTungQuocGia
               @TenQuocGia nvarchar(15)
AS
BEGIN
    SELECT Orders.*, Country
    FROM  Customers, Orders
    WHERE Customers.CustomerID= Orders.CustomerID
        AND Country=@TenQuocGia
END
GO
--TEST:
EXEC DSDonHangTungQuocGia N'USA'
GO
-->ket qua 122 don hang

EXEC DSDonHangTungQuocGia N'UK'
GO
-->ket qua 56 don hang

-- CAU 11:-------------------------------------------------------------
USE Northwind
GO
CREATE PROC SLKhachHangTungQuocGia4
               @TenQuocGia nvarchar(15),@SoLuongKH int out
AS
BEGIN
    IF @TenQuocGia is null
        SELECT @SoLuongKH=Count(*)
        FROM  Customers
        WHERE Country=N'France'
    else
        SELECT @SoLuongKH=Count(*)
        FROM  Customers
        WHERE Country=@TenQuocGia
END
--TEST:
DECLARE @SLKH int
EXEC SLKhachHangTungQuocGia4 N'USA', @SLKH out
PRINT @SLKH
-->ket qua 13 khach hang
DECLARE @SLKH int
EXEC SLKhachHangTungQuocGia4 N'Brazil', @SLKH out
PRINT @SLKH
-->ket qua 9 khach hang
DECLARE @SLKH int
EXEC SLKhachHangTungQuocGia4 NULL, @SLKH out
PRINT @SLKH
```

```sql
-->ket qua 11 khach hang
--Test: Tính Số lượng khách hàng nước Pháp:
SELECT Count(*)
FROM  Customers
WHERE Country=N'France'
--Đúng là có 11 khách hàng Pháp



-- CAU 12:------------------------------------------------------------
USE Northwind
GO
CREATE PROC DSDonHangTungNhanVien
                @MaNhanVien int
AS
BEGIN
    SELECT orders.OrderID, OrderDate, EmployeeID
            ,SUM(UnitPrice*Quantity*(1-Discount)) AS TongTienDonHang
    FROM  Orders, [Order Details]
    WHERE Orders.OrderID= [Order Details].OrderID
        AND EmployeeID=@MaNhanVien
    GROUP BY orders.OrderID, OrderDate, EmployeeID
    ORDER BY TongTienDonHang DESC
END
GO
--TEST:
EXEC DSDonHangTungNhanVien 1
-->ket qua 123 don hang
EXEC DSDonHangTungNhanVien 5
-->ket qua 42 don hang
EXEC DSDonHangTungNhanVien 9
-->ket qua 43 don hang


-- CAU 13:------------------------------------------------------------
USE Northwind
GO
ALTER PROC DSDonHangTungNhanVien2
                @MaNhanVien int
AS
BEGIN
    If @MaNhanVien is null
        SELECT orders.OrderID, OrderDate, EmployeeID
                ,SUM(UnitPrice*Quantity*(1-Discount)) AS TongTienDonHang
        FROM  Orders, [Order Details]
        WHERE Orders.OrderID= [Order Details].OrderID
        GROUP BY orders.OrderID, OrderDate, EmployeeID
        ORDER BY TongTienDonHang DESC
    else
        SELECT orders.OrderID, OrderDate, EmployeeID
                ,SUM(UnitPrice*Quantity*(1-Discount)) AS TongTienDonHang
        FROM  Orders, [Order Details]
        WHERE Orders.OrderID= [Order Details].OrderID
            AND EmployeeID=@MaNhanVien
```

```sql
        GROUP BY orders.OrderID, OrderDate, EmployeeID
        ORDER BY TongTienDonHang DESC
END
GO
--TEST:
EXEC DSDonHangTungNhanVien2 1
-->ket qua 123 don hang
EXEC DSDonHangTungNhanVien2 4
-->ket qua 156 don hang
EXEC DSDonHangTungNhanVien2 NULL
-->ket qua 830 don hang (là tất cả đơn hàng)


-- CAU 14:--------------------------------------------------------
USE Northwind
GO
CREATE PROC GiaiPhuongTrinhBacNhat   --Phuong trinh:   Ax+B=0
             @A float, @B float
AS
BEGIN
    IF @A is NULL OR @B is NULL
        PRINT N'Lỗi: Chưa nhập hai số A và B.'
    ELSE IF @A=0
        IF @B=0
            PRINT N'Phương trình có VÔ SỐ NGHIỆM.'
        ELSE --B khac 0
            PRINT N'Phương trình VÔ NGHIỆM.'
    ELSE --A khac 0
        BEGIN
            PRINT N'Phương trình CÓ MỘT NGHIỆM LÀ: '
            PRINT -@B/@A
            --Hay viết 1 lệnh:
            --    PRINT N'Phương trình CÓ MỘT NGHIỆM LÀ: '
            --      + CAST(Convert(Float,-@B)/@A AS nvarchar(10))

        END
END

EXEC GiaiPhuongTrinhBacNhat 0, 8
-->vo nghiem
EXEC GiaiPhuongTrinhBacNhat 0, 0
--> vo so nghiem
EXEC GiaiPhuongTrinhBacNhat 3, 10
--> Co mot nghiem la: -3.33333
```