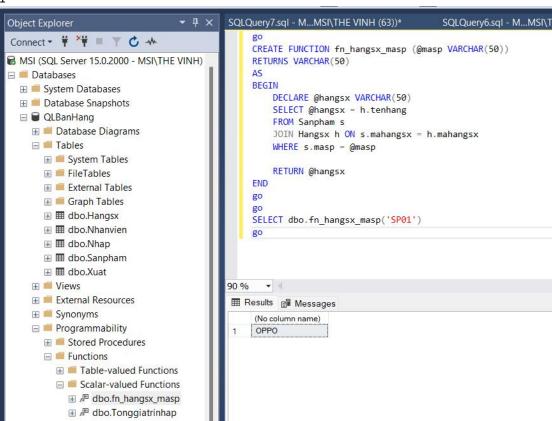
## Phạm Thế Vinh lab5

1



2

```
▼ Ţ X
                                 SQLQuery7.sql - M...MSI\THE VINH (63))
                                                                SQLQuery6.sql - M...N
Object Explorer
Connect ▼ ¥ ■ ▼ C - ♣
                                     CREATE FUNCTION Tonggiatrinhap(@namx INT, @namy INT)
MSI (SQL Server 15.0.2000 - MSI\THE VINH)
                                     RETURNS MONEY
                                     AS
■ Databases
                                     BEGIN
 DECLARE @TongGiaTriNhap MONEY

    ⊞ ■ Database Snapshots

                                        SELECT @TongGiaTriNhap = SUM(dongiaN * soluongN)
 FROM Nhap
   WHERE YEAR(ngaynhap) BETWEEN @namx AND @namy

    □ Tables

                                        RETURN @TongGiaTriNhap
     FND
     go
     External Tables
                                     SELECT dbo.Tonggiatrinhap(2016,2019)
     ⊞ dbo.Nhap

    ⊞ dbo.Xuat
```

```
SQLQuery7.sql - M...MSI\THE VINH (63))*
                                                                                                            SQLQuery6.sql - M...MSI\THE VINH (70))*
                                                                                                                                                                 SQLQuery5.sql - M...MSI\THE VINH (57))* 4 X
   Connect ▼ 🍟 📱 🍸 🖒 👭
                                                               go
CCREATE FUNCTION tksoluongnhapxuat(@tenSanPham nvarchar(50), @nam int)
 MSI (SQL Server 15.0.2000 - MSI\THE VINH)
                                                               RETURNS int
   ■ Databases
                                                              BEGIN

    ■ System Databases

                                                                   DECLARE @soluongMhap int, @soluongXuat int, @soluongThayDoi int;

SELECT @soluongMhap = SUM(soluongX) FROM Mhap n JOIN Sanpham sp ON n.masp = sp.masp WHERE sp.tensp = @tenSanPham AND YEAR(n.ngaynhap) = @nam,

SELECT @soluongMhap = ListoungX) FROM Xuat x JOIN Sanpham sp ON x.masp = sp.masp WHERE sp.tensp = @tenSanPham AND YEAR(x.ngayxwat) = @nam,

SET @soluongThayDoi = @soluongMhap - @soluongXuat;

    ⊞ ■ Database Snapshots

    □ QLBanHang

    ⊞ Database Diagrams

☐ ■ Tables
                                                                   RETURN @soLuongThayDoi;

    ⊞ System Tables
    ⊞ ■ FileTables
                                                              END
          go
SELECT dbo.tksoluongnhapxuat('Galaxy Note 11',2020)

    ■ Graph Tables

          ⊞ dbo.Hangsx
          ⊞ dbo.Nhap

⊞ 

⊞ dbo.Sanpham

          ⊞ III dbo.Xuat

    ■ External Resources

                                                         Results Messages
       (No column name)
NULL
       ☐ ■ Programmability
          4
```

```
SQLQuery7.sql - M...MSI\THE VINH (63))*
                                                                               SQLQuery6.sql - M...MSI\THE VINH (70))*
                                                                                                                       SOLOuer
Connect ▼ * ▼ ■ ▼ C →
                                             CREATE FUNCTION tonggiatrinhapngay(
MSI (SQL Server 15.0.2000 - MSI\THE VINH)
                                                @ngay_bat_dau DATE,
                                                @ngay_ket_thuc DATE
□ ■ Databases
 RETURNS MONEY

    ⊞ ■ Database Snapshots

  ■ QLBanHang
                                            BEGIN

    ⊞ ■ Database Diagrams

                                                DECLARE @tong_gia_tri_nhap MONEY;

☐ ■ Tables
                                                SELECT @tong_gia_tri_nhap = SUM(nhap.soluongN * sanpham.giaban)
      FROM Nhap AS nhap
                                                 INNER JOIN Sanpham AS sanpham ON nhap.masp = sanpham.masp
      WHERE nhap.ngaynhap >= @ngay_bat_dau AND nhap.ngaynhap <= @ngay_ket_thuc;</pre>
      RETURN @tong_gia_tri_nhap;

    ■ Graph Tables
                                            END:

    ⊞ dbo.Hangsx

                                            go
      # # dbo.Nhanvien
                                            {\tt SELECT\ dbo.tonggiatrinhapngay('2018-01-01',\ '2020-12-31')\ AS\ TongGiaTriNhap;}
      # # dbo.Nhap
      # # dbo.Sanpham
      ⊞ Wiews
                                        90 %

    ■ External Resources

                                         ■ Results ■ Messages

    ■ Synonyms
                                             TongGiaTriNhap

☐ Programmability

                                            336000000,00

■ Stored Procedures

⊟ ■ Functions
```

```
Object Explorer
Connect ▼ ¥ ■ ▼ C →
                                       CREATE FUNCTION tonggiatrixuat(@tenHang NVARCHAR(20), @nam INT)
MSI (SOL Server 15.0,2000 - MSI\THE VINH)
                                       RETURNS MONEY
🗏 🗯 Databases
                                       AS
                                       BEGIN

■ System Databases

                                        DECLARE @tongGiaTriXuat MONEY;
 SELECT @tongGiaTriXuat = SUM(S.giaban * X.soluongX)

    □ QLBanHang

                                         FROM Xuat X
   🗄 📕 Database Diagrams
                                         JOIN Sanpham S ON X.masp = S.masp

☐ ■ Tables

                                         JOIN Hangsx H ON S.mahangsx = H.mahangsx
                                         WHERE H.tenhang = @tenHang AND YEAR(X.ngayxuat) = @nam;
     RETURN @tongGiaTriXuat;
     END;
     External Tables
                                       go
     SELECT dbo.tonggiatrixuat(N'Samsung', 2020) AS 'TongGiaTriXuat';
     ⊞ dbo.Nhap

    ⊞ dbo.Sanpham

    ⊞ dbo.Xuat

    ■ Views
                                   90 %

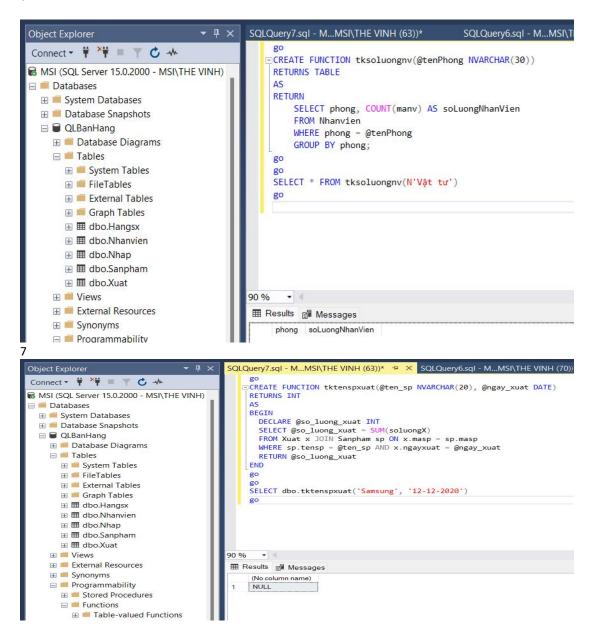
    ■ External Resources

                                    Results Messages
    TongGiaTriXuat

    ■ Programmability

                                       15000000,00

    ■ Stored Procedures
```



```
▼ 🌣 X SQLQuery7.sql - M...MSI\THE VINH (63))* SQLQuery6.sql - M...MSI\T
Object Explorer
Connect ▼ * ♥ ■ ▼ C →
                                     CREATE FUNCTION sdtnvxuathoadon (@InvoiceNumber NCHAR(10))
MSI (SQL Server 15.0.2000 - MSI\THE VINH)
                                     RETURNS NVARCHAR(20)
                                     ΔS
■ ■ Databases
                                     BEGIN
 DECLARE @EmployeePhone NVARCHAR(20)
  SELECT @EmployeePhone = Nhanvien.sodt

    □ QLBanHang

                                       FROM Nhanvien

    ⊞ ■ Database Diagrams

                                       INNER JOIN Xuat ON Nhanvien.manv = Xuat.manv

☐ ■ Tables
                                       WHERE Xuat.sohdx = @InvoiceNumber
                                       RETURN @EmployeePhone
     END
     go
     SELECT dbo.sdtnvxuathoadon('X01')
     # # dbo.Hangsx
     ⊞ dbo.Nhap

    ⊞ dbo.Xuat

   90 %
                                       + 4

    ■ Synonyms
                                      (No column name)

■ Programmability

                                     0972525252
```

q

```
SQLQuery7.sql - M...MSI\THE VINH (63))* → X SQLQuery6.sql - M...MSI\THE VINH (70))* SQLQuery5.sql - M...
                                   → Д ×
Connect ▼ ¥ ■ ▼ C →
                                                  CREATE FUNCTION tongslgnhapxuat(@tenSP NVARCHAR(20), @nam INT)
MSI (SQL Server 15.0.2000 - MSI\THE VINH)
                                                 RETURNS INT
■ Databases
                                                 BEGIN

    ⊞  

    ■ System Databases
                                                    DECLARE @tongNhapXuat INT;
  ⊞ ■ Database Snapshots
                                                   SET \emptysettongNhapXuat = (
SELECT COALESCE(SUM(nhap.soluongN), \emptyset) + COALESCE(SUM(xuat.soluongX), \emptyset) AS tongSoluong

    □ QLBanHang

    ⊞ ■ Database Diagrams

                                                      FROM Sanpham sp

☐ ■ Tables
                                                      LEFT JOIN Nhap nhap ON sp.masp = nhap.masp
                                                    LEFT JOIN Xuat xuat ON sp.masp = xuat.masp
WHERE sp.tensp = @tenSP AND YEAR(nhap.ngaynhap) = @nam AND YEAR(xuat.ngayxuat) = @nam

    External Tables

                                                    RETURN @tongNhapXuat;
       ⊞ ■ Graph Tables
                                                 END:

    ⊞ dbo.Hangsx

                                                  go

    ⊞ dbo.Nhanvien

       SELECT dbo.tongslgnhapxuat('Galaxy V21', 2020) AS TongNhapXuat;

    ⊞ dbo.Sanpham

    ⊞ dbo.Xuat

    90 %
    Results Messages
    ⊞ ■ Synonyms
                                                  TongNhapXuat

☐ Programmability

                                                 21
```

10

