Câu 1

create function lab5\_1(@masp nvarchar(20))

returns nvarchar(20)

as

begin

declare @ten nvarchar(20)

set @ten = (select hsx.tenhang from Hangsx hsx

inner join Sanpham sp

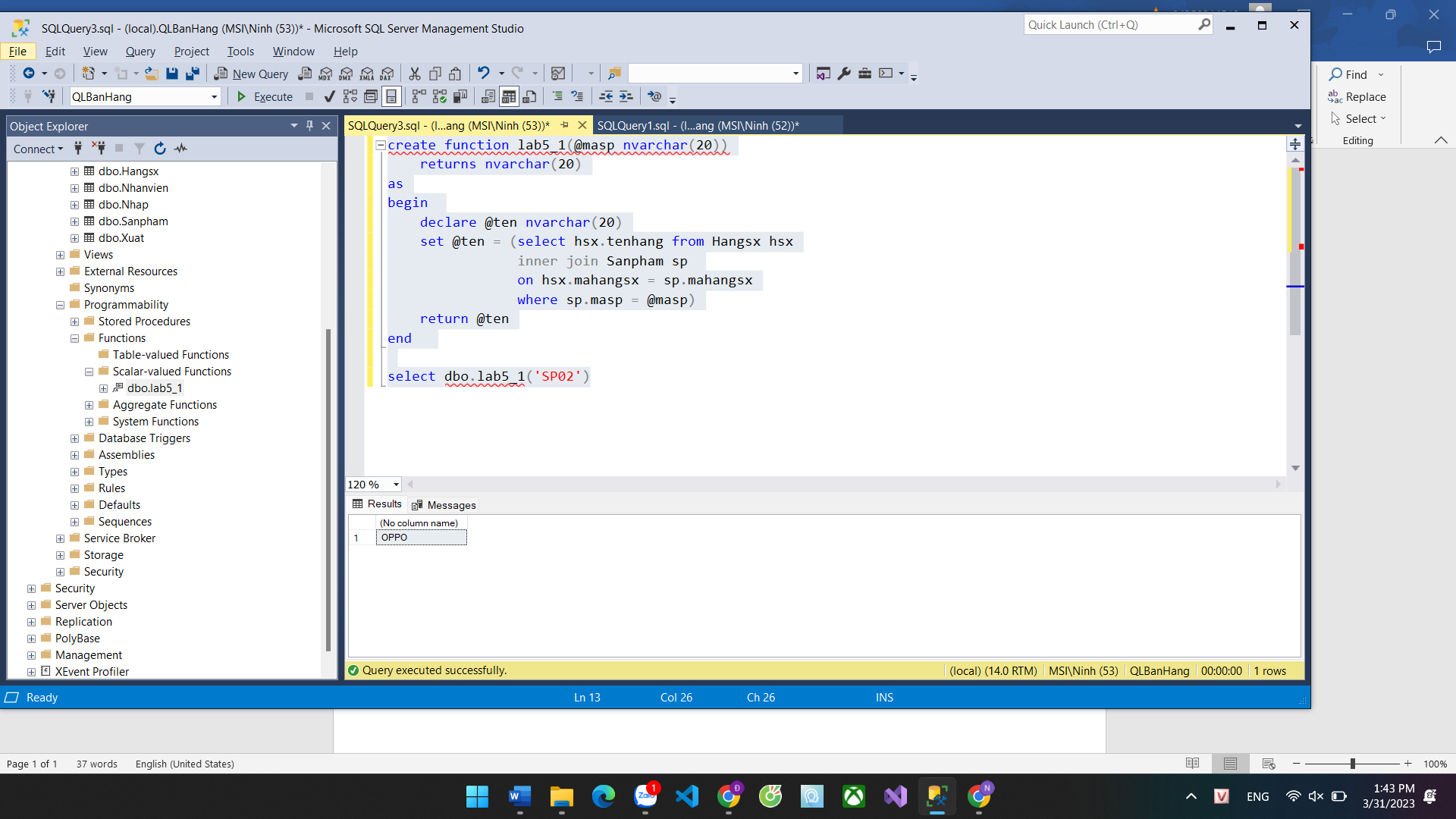
on hsx.mahangsx = sp.mahangsx

where sp.masp = @masp)

return @ten

end

select dbo.lab5\_1('SP02')



Câu 2

create function lab5\_2(@x nvarchar(20), @y nvarchar(20))

returns int

as

begin

declare @sum int

set @sum = (select SUM(dongiaN) from Nhap

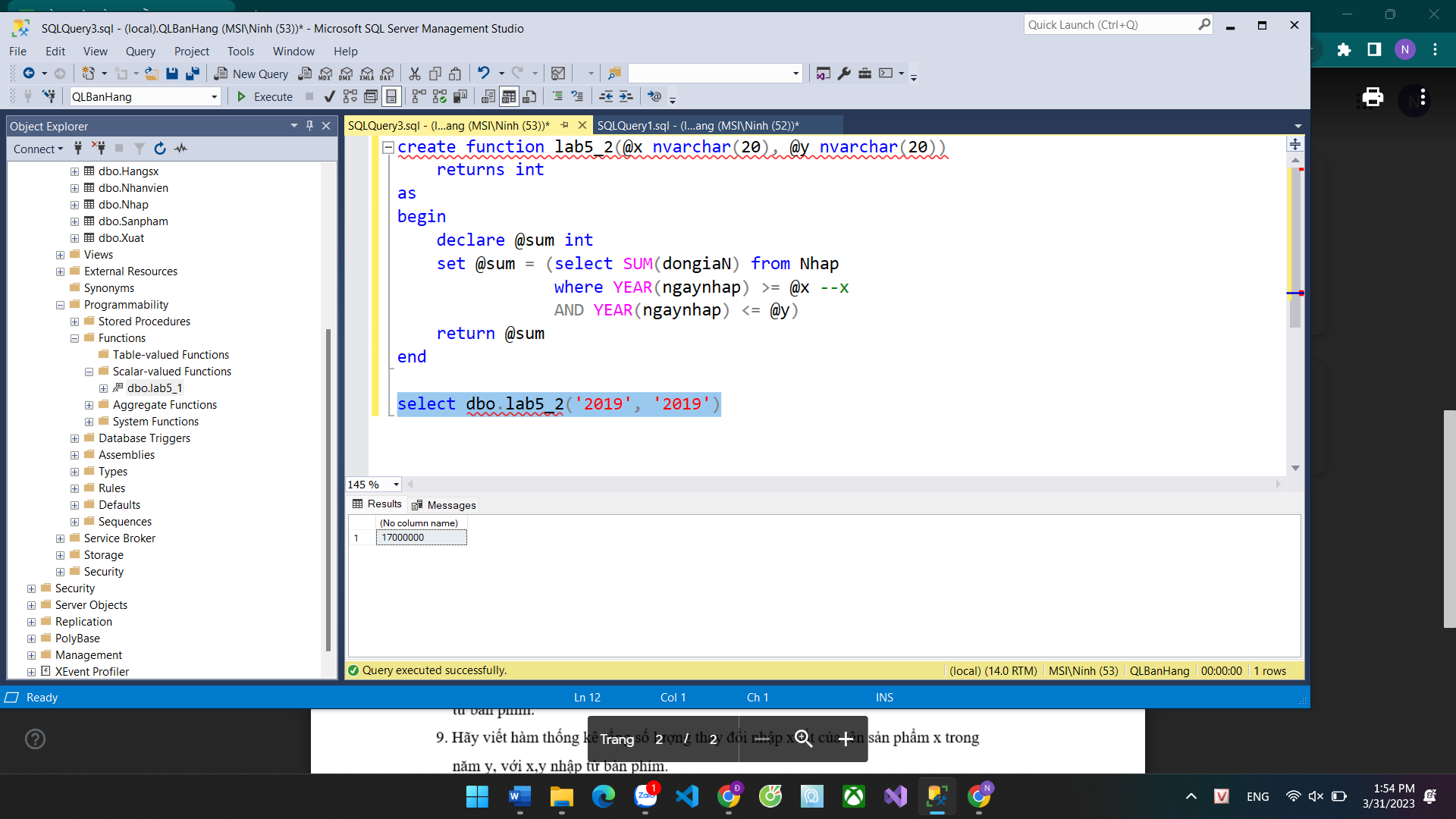
where YEAR(ngaynhap) >= @x --x

AND YEAR(ngaynhap) <= @y)

return @sum

end

select dbo.lab5\_2('2019', '2019')



Câu 3

create function lab5\_3(@tenSanPham nvarchar(50), @nam int)

returns int

as

BEGIN

DECLARE @soLuongNhap int, @soLuongXuat int, @soLuongThayDoi int;

SELECT @soLuongNhap = SUM(soluongN) FROM Nhap n JOIN Sanpham sp ON n.masp = sp.masp WHERE sp.tensp = @tenSanPham AND YEAR(n.ngaynhap) = @nam;

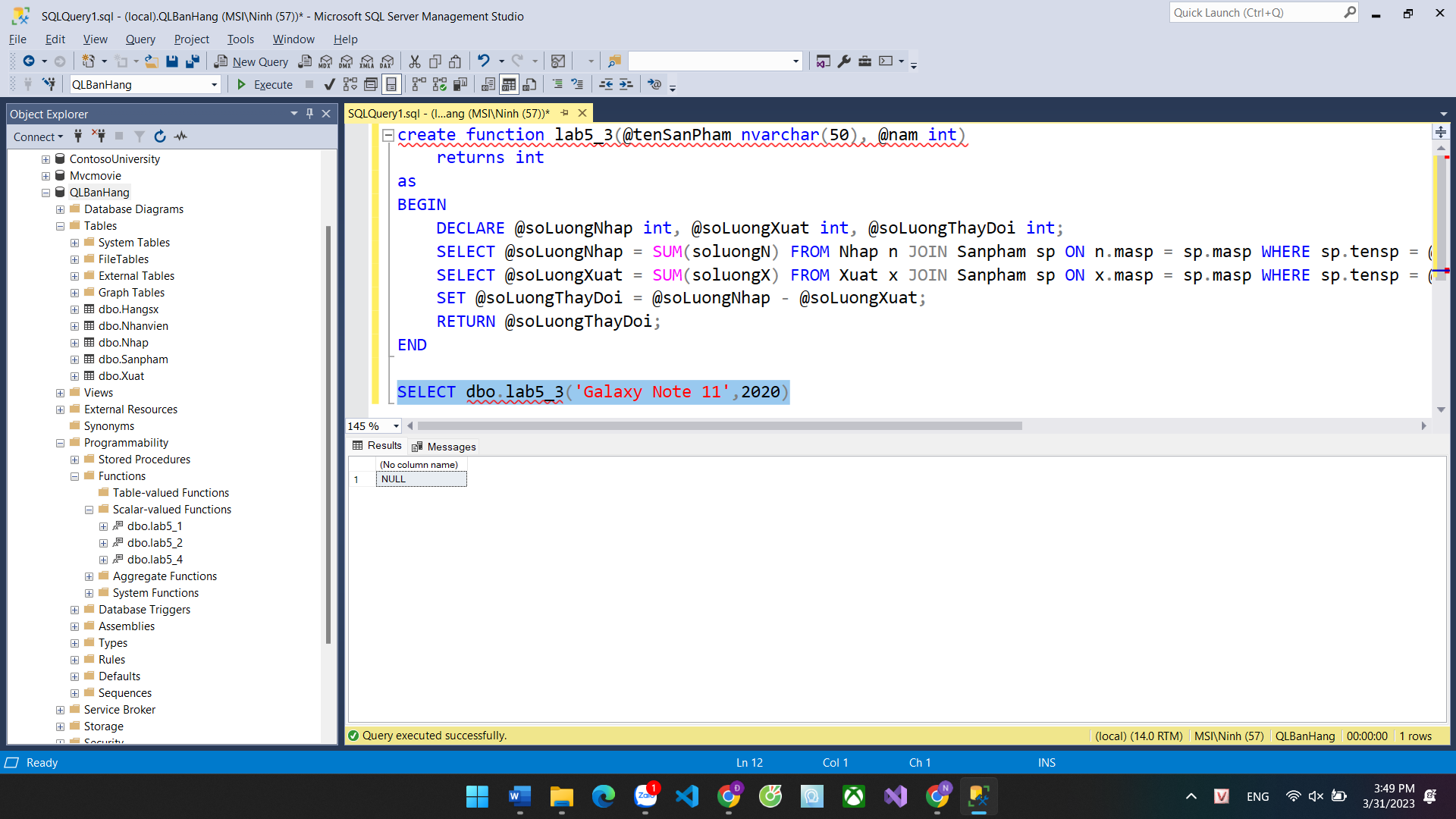
SELECT @soLuongXuat = SUM(soluongX) FROM Xuat x JOIN Sanpham sp ON x.masp = sp.masp WHERE sp.tensp = @tenSanPham AND YEAR(x.ngayxuat) = @nam;

SET @soLuongThayDoi = @soLuongNhap - @soLuongXuat;

RETURN @soLuongThayDoi;

END

SELECT dbo.lab5\_3('Galaxy Note 11',2020)



Câu 4

create function lab5\_4(@x nvarchar(20), @y nvarchar(20))

returns int

as

begin

declare @sum int

set @sum = (select SUM(dongiaN) from Nhap

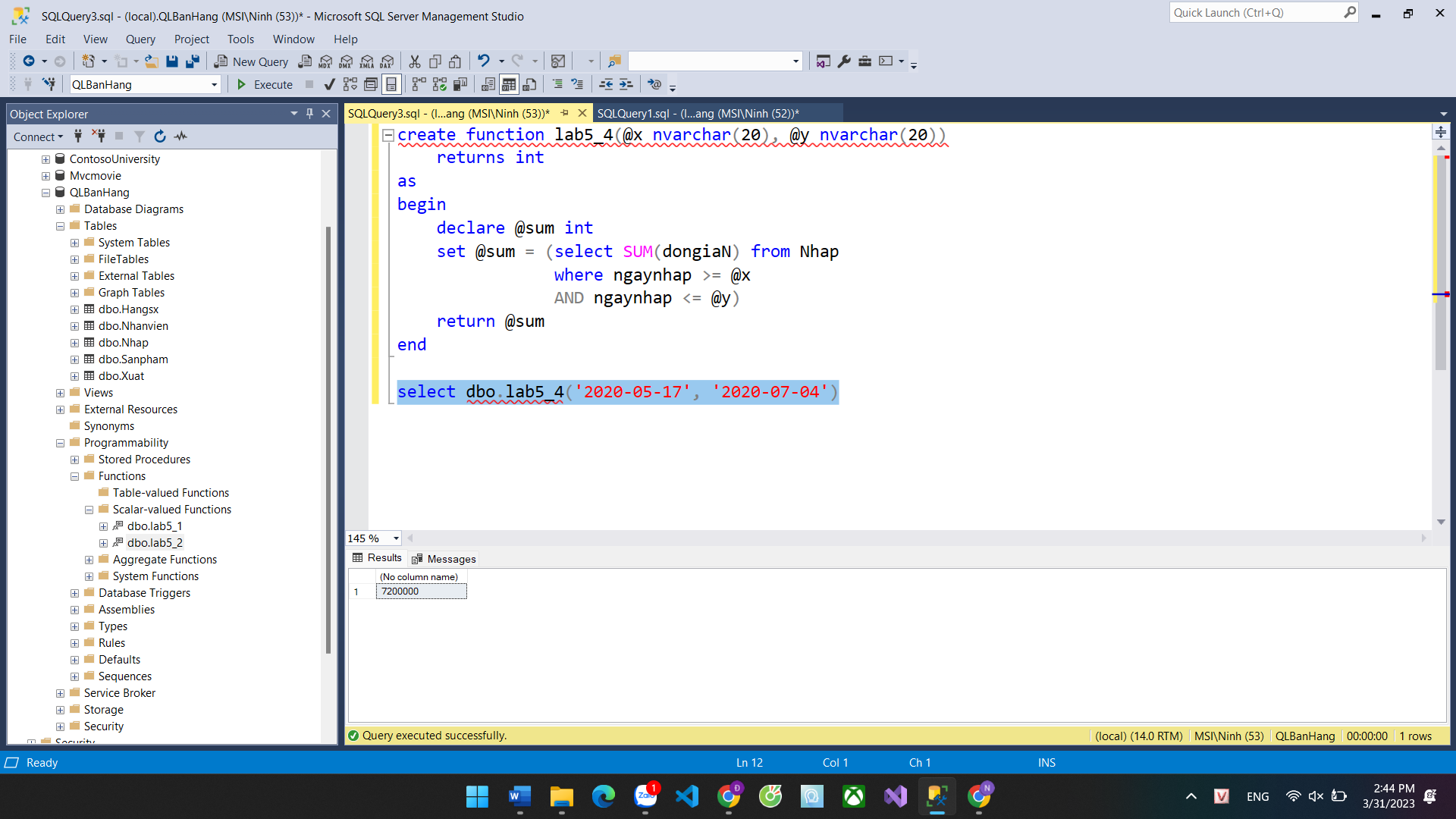
where ngaynhap >= @x

AND ngaynhap <= @y)

return @sum

end

select dbo.lab5\_4('2020-05-17', '2020-07-04')



**Câu 5**

CREATE FUNCTION lab5\_5(@tenHang NVARCHAR(20), @nam INT)

RETURNS MONEY

AS

BEGIN

DECLARE @tongGiaTriXuat MONEY;

SELECT @tongGiaTriXuat = SUM(S.giaban \* X.soluongX)

FROM Xuat X

JOIN Sanpham S ON X.masp = S.masp

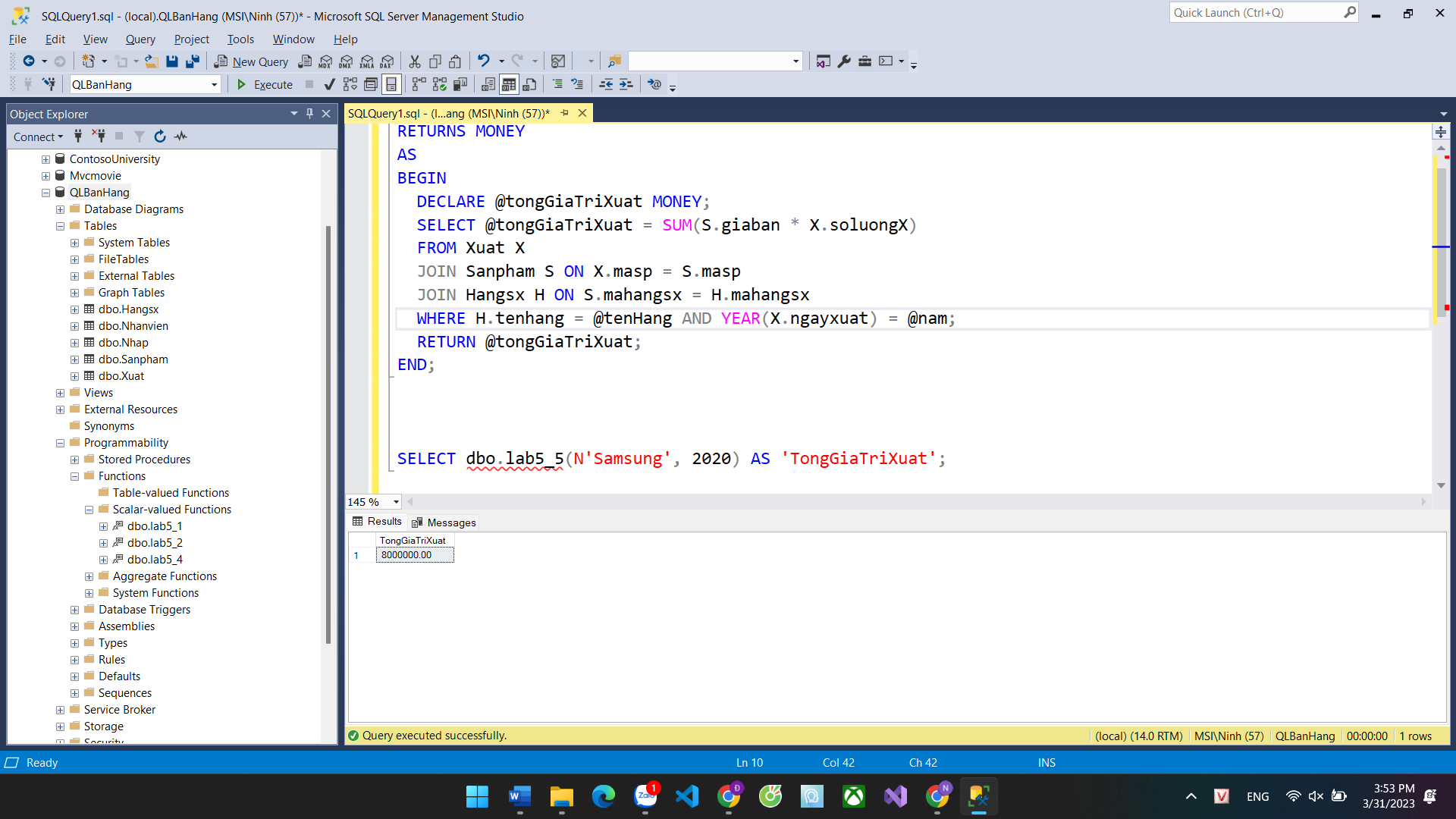
JOIN Hangsx H ON S.mahangsx = H.mahangsx

WHERE H.tenhang = @tenHang AND YEAR(X.ngayxuat) = @nam;

RETURN @tongGiaTriXuat;

END;

SELECT dbo.lab5\_5(N'Samsung', 2020) AS 'TongGiaTriXuat';



Câu 6

CREATE FUNCTION lab5\_6 (@tenPhong NVARCHAR(30))

RETURNS TABLE

AS

RETURN

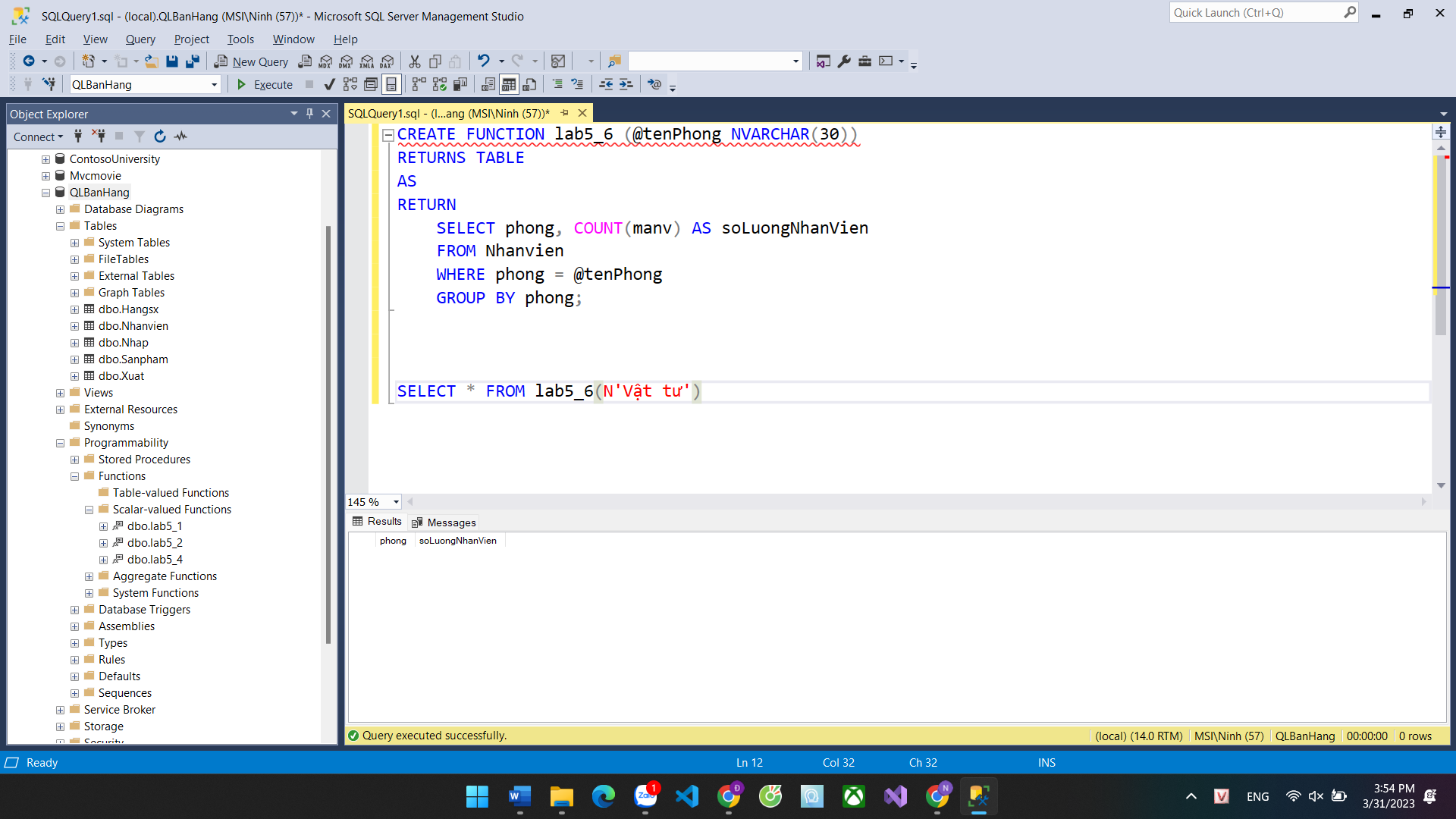
SELECT phong, COUNT(manv) AS soLuongNhanVien

FROM Nhanvien

WHERE phong = @tenPhong

GROUP BY phong;

SELECT \* FROM lab5\_6(N'Vật tư')



Câu 7

create function lab5\_7(@ten\_sp NVARCHAR(20), @ngay\_xuat DATE)

returns int

AS

BEGIN

DECLARE @so\_luong\_xuat INT

SELECT @so\_luong\_xuat = SUM(soluongX)

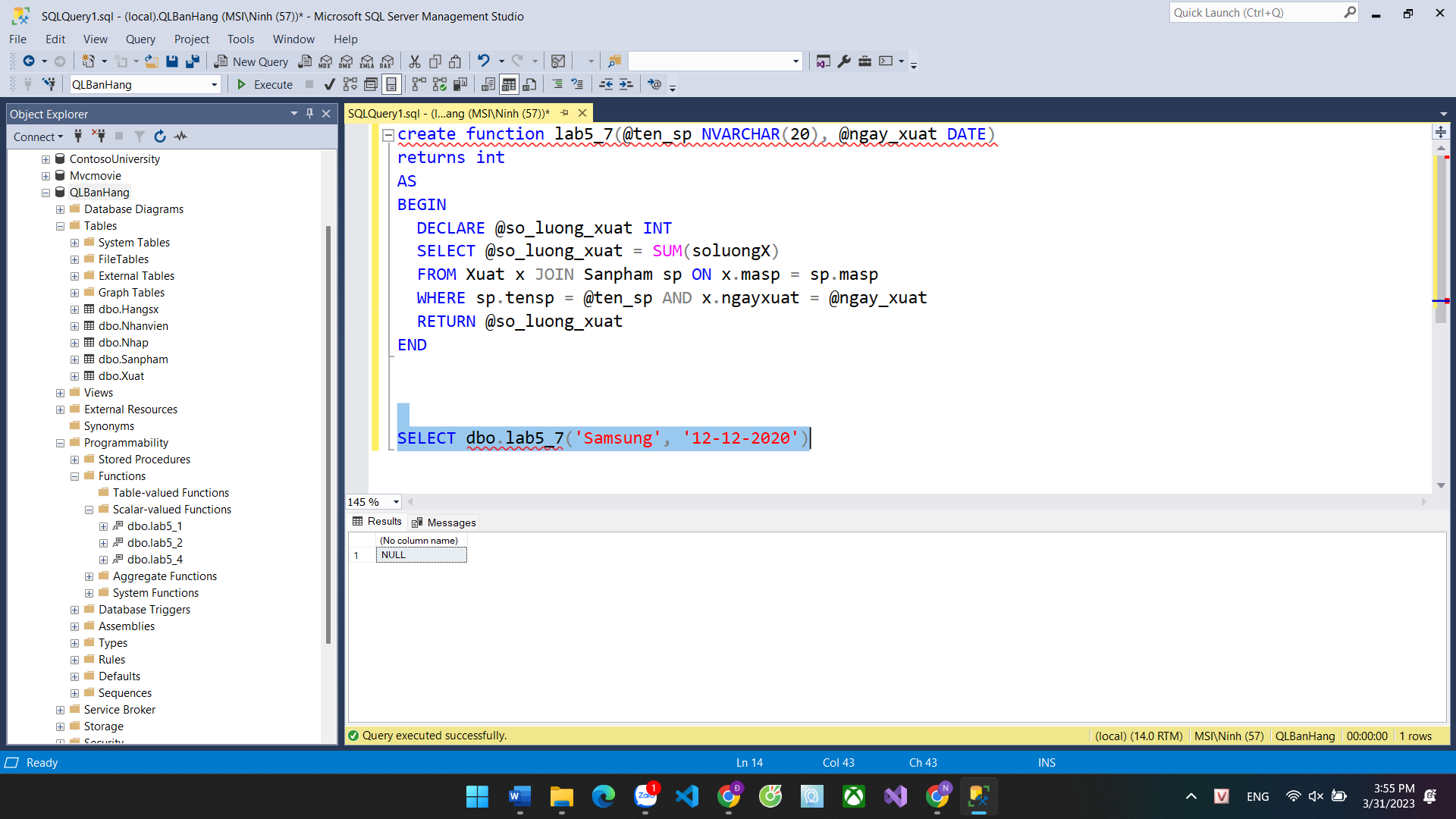
FROM Xuat x JOIN Sanpham sp ON x.masp = sp.masp

WHERE sp.tensp = @ten\_sp AND x.ngayxuat = @ngay\_xuat

RETURN @so\_luong\_xuat

END

SELECT dbo.lab5\_7('Samsung', '12-12-2020')



Câu 8

create function lab5\_8 (@InvoiceNumber NCHAR(10))

returns nvarchar(20)

AS

BEGIN

DECLARE @EmployeePhone NVARCHAR(20)

SELECT @EmployeePhone = Nhanvien.sodt

FROM Nhanvien

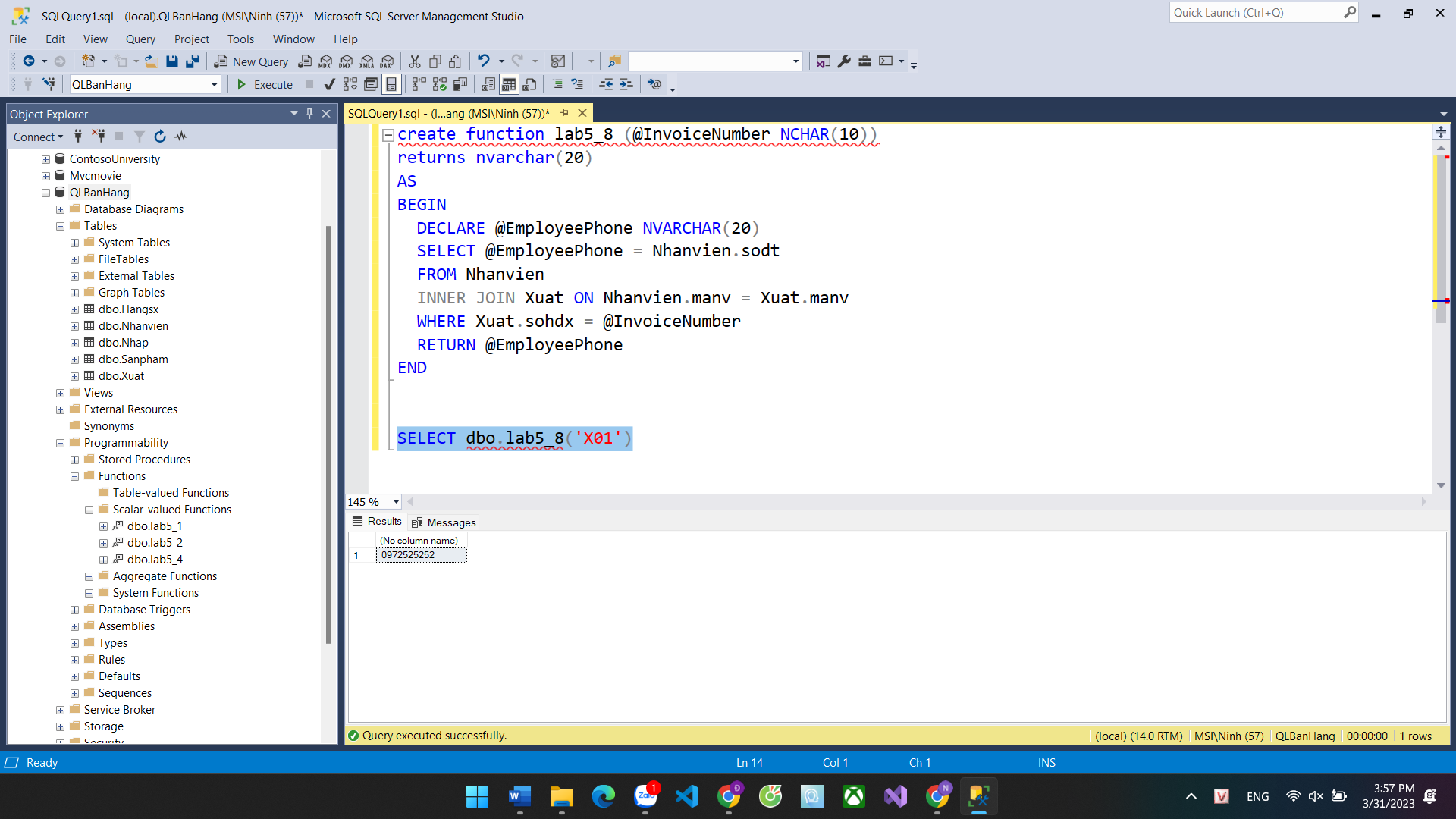
INNER JOIN Xuat ON Nhanvien.manv = Xuat.manv

WHERE Xuat.sohdx = @InvoiceNumber

RETURN @EmployeePhone

END

SELECT dbo.lab5\_8('X01')



Câu 9

create function lab5\_9(@tenSP NVARCHAR(20), @nam INT)

RETURNS INT

AS

BEGIN

DECLARE @tongNhapXuat INT;

SET @tongNhapXuat = (

SELECT COALESCE(SUM(nhap.soluongN), 0) + COALESCE(SUM(xuat.soluongX), 0) AS tongSoLuong

FROM Sanpham sp

LEFT JOIN Nhap nhap ON sp.masp = nhap.masp

LEFT JOIN Xuat xuat ON sp.masp = xuat.masp

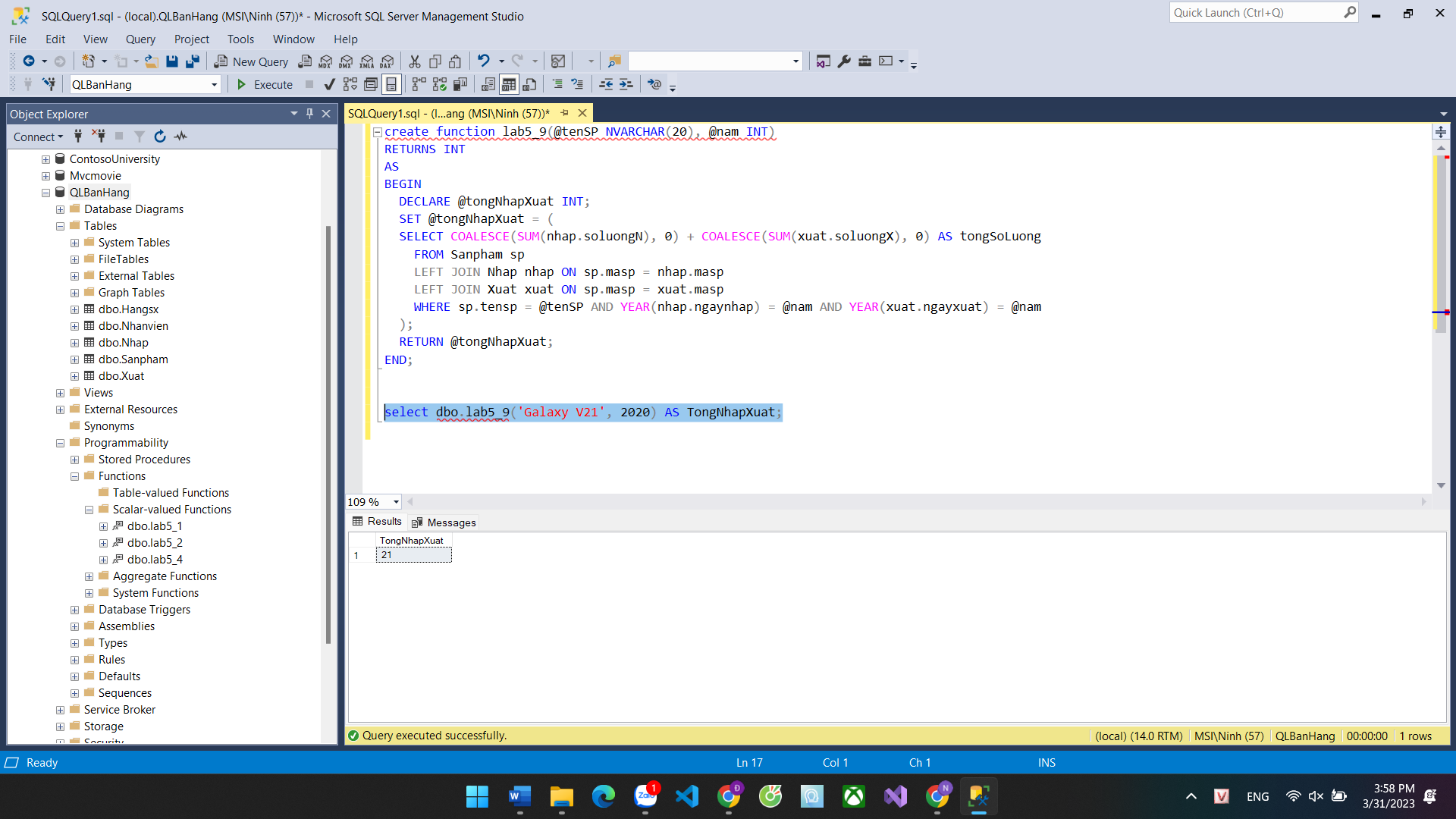
WHERE sp.tensp = @tenSP AND YEAR(nhap.ngaynhap) = @nam AND YEAR(xuat.ngayxuat) = @nam

);

RETURN @tongNhapXuat;

END;

select dbo.lab5\_9('Galaxy V21', 2020) AS TongNhapXuat;



Câu 10

create function lab5\_10(@tenhang NVARCHAR(20))

returns int

AS

BEGIN

DECLARE @soluong INT;

SELECT @soluong = SUM(soluong)

FROM Sanpham sp JOIN Hangsx hs ON sp.mahangsx = hs.mahangsx

WHERE hs.tenhang = @tenhang;

RETURN @soluong;

END;

select dbo.lab5\_10('Samsung') AS 'Tổng số lượng sản phẩm của hãng'

