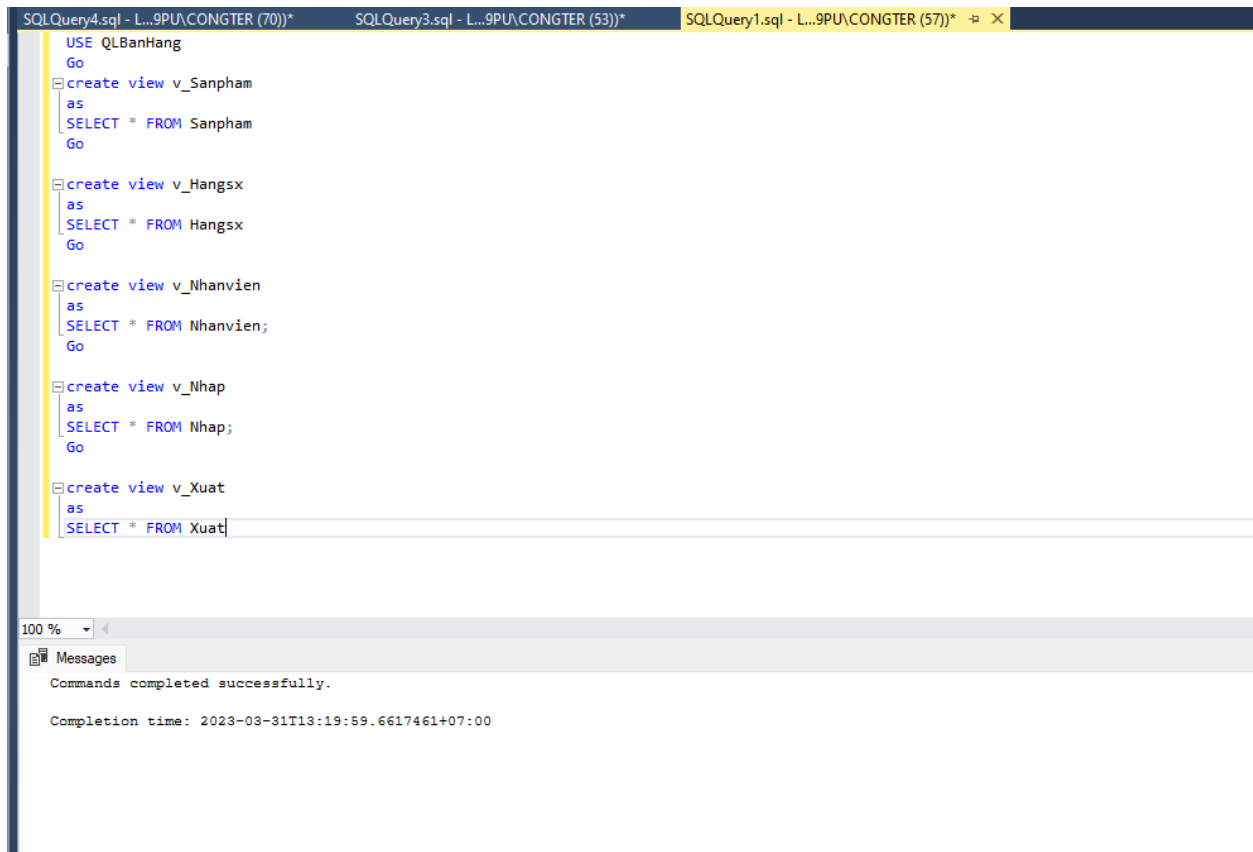


1. Hiển thị thông tin các bảng dữ liệu trên:



The screenshot displays the SQL Server Enterprise Manager interface. At the top, there are three tabs for SQL queries: 'SQLQuery4.sql - L...9PU\CONGTER (70))', 'SQLQuery3.sql - L...9PU\CONGTER (53))', and 'SQLQuery1.sql - L...9PU\CONGTER (57))'. The active window shows the following SQL commands:

```
USE QLBanHang
Go
create view v_Sanpham
as
SELECT * FROM Sanpham
Go

create view v_Hangsx
as
SELECT * FROM Hangsx
Go

create view v_Nhanvien
as
SELECT * FROM Nhanvien;
Go

create view v_Nhap
as
SELECT * FROM Nhap;
Go

create view v_Xuat
as
SELECT * FROM Xuat
```

Below the query window, there is a 'Messages' pane showing the following output:

```
Commands completed successfully.

Completion time: 2023-03-31T13:19:59.6617461+07:00
```

SQLQuery4.sql - L...9PU\CONGTER (70))* SQLQuery3.sql - L...9PU\CONGTER (53))* SQLQuery1.sql - L...9PU\CONGTER (57))*

```

select * from v_Hangsx
go
select * from v_Nhanvien
go
select * from v_Sanpham
go
select * from v_Nhap
go
select * from v_Xuat
go

```

100 %

Results Messages

	mahangsx	tenhang	diachi	sodt	email
1	H01	Samsung	Korea	011-08271717	ss@gmail.com.kr
2	H02	OPPO	China	081-08626262	oppo@gmail.com.cn
3	H03	Vinphone	Viet nam	084-098262626	vf@gmail.com.vn

	manv	tennv	giotinh	diachi	sodt	email	phong
1	NV01	Nguyễn Thị Thu	N?	Hà Nội	0982626521	thu@gmail.com	K? toán
2	NV02	Lê Văn Nam	Nam	B?c Ninh	0972525252	nam@gmail.com	V?t tu
3	NV03	Trần Hòa Bình	N?	Hà Nội	0328388388	hb@gmail.com	K? toán

	masp	mahangsx	tensp	soluong	mausac	giaban	donvitinh	mota
1	SP01	H02	Galaxy Note11	50	Đ?	1900000.00	Chi?c	Hàng c?n c?o c?p
2	SP02	H01	F1 Plus	100	Xám	7000000.00	Chi?c	Hàng c?n c?o c?p
3	SP03	H02	F3 lite	200	Nâu	3000000.00	Chi?c	Hàng ph? th?ng
4	SP04	H03	Vjoy3	200	Xám	1500000.00	Chi?c	Hàng ph? th?ng
5	SP05	H01	Galaxy V21	500	Nâu	8000000.00	Chi?c	Hàng c?n c?o c?p

	sohdn	masp	manv	ngaynhap	soluongN	dongiaN
1	N01	SP02	NV01	2019-05-02	10	17000000.00
2	N02	SP01	NV02	2020-07-04	30	6000000.00
3	N03	SP04	NV02	2020-05-17	20	1200000.00
4	N04	SP01	NV03	2020-03-22	10	6200000.00
5	N05	SP05	NV01	2020-07-07	20	7000000.00

	sohdx	masp	manv	ngayxuat	soluongX
1	X01	SP03	NV02	2020-06-14	5
2	X02	SP01	NV03	2019-03-05	3
3	X03	SP02	NV01	2020-12-12	1
4	X04	SP03	NV02	2020-06-02	2
5	X05	SP05	NV01	2018-05-18	1

Query executed successfully.

2. Đưa ra thông tin masp, tensp, tenhang, soluong, mausac, giaban, donvitinh, mota của các sản phẩm sắp xếp theo chiều giảm dần giá bán:

SQLQuery4.sql - L...9PU\CONGTER (70))*

SQLQuery3.sql - L...9PU\CONGTER (53))*

SQLQuery1.sql - L...9PU\CONGTER (57))* -# X

```
USE QLBanHang
```

```
Go
```

```
create view v_Lab2_2
```

```
as
```

```
SELECT sp.masp, sp.tensp, hs.tenhang, sp.soluong, sp.mausac, sp.giaban, sp.donvitinh, sp.mota FROM Sanpham AS sp
```

```
INNER JOIN Hangsx AS hs
```

```
ON sp.mahangsx = hs.mahangsx
```

100 %

Messages

Commands completed successfully.

Completion time: 2023-03-31T13:33:49.9990145+07:00

SQLQuery4.sql - L...9PU\CONGTER (70))* - X								
SQLQuery3.sql - L...9PU\CONGTER (53))*								
SQLQuery1.sql - L...9PU\CONGTER (57))*								
select * from v_Lab2_2 ORDER BY giaban DESC;								
100 %								
Results Messages								
	masp	tensp	tenhang	soluong	mausac	giaban	donvitinh	mota
1	SP05	Galaxy V21	Samsung	500	Nâu	8000000.00	Chi?c	Hàng c?n c?o c?p
2	SP02	F1 Plus	Samsung	100	Xám	7000000.00	Chi?c	Hàng c?n c?o c?p
3	SP03	F3 lite	OPPO	200	Nâu	3000000.00	Chi?c	Hàng ph? thông
4	SP01	Galaxy Note11	OPPO	50	Đ?	1900000.00	Chi?c	Hàng c?n c?o c?p
5	SP04	Vjoy3	Vinphone	200	Xám	1500000.00	Chi?c	Hàng ph? thông

3. Đưa ra thông tin các sản phẩm có trong cửa hàng do công ty có tên hãng là samsung sản xuất:

SQLQuery4.sql - L...9PU\CONGTER (70))*

SQLQuery3.sql - L...9PU\CONGTER (53))*

SQLQuery1.sql - L...9PU\CONGTER (57))*

USE QLBanHang

Go

create view v_Lab2_3

as

SELECT sp.masp, sp.tensp, hs.tenhang, sp.soluong, sp.mausac, sp.giaban, sp.donvitinh, sp.mota FROM Sanpham AS sp

INNER JOIN Hangsx AS hs

ON sp.mahangsx = hs.mahangsx

WHERE hs.tenhang = 'samsung';

100 %

Messages

Commands completed successfully.

Completion time: 2023-03-31T13:35:11.2765110+07:00

SQLQuery4.sql - L...9PU\CONGTER (70))* SQLQuery3.sql - L...9PU\CONGTER (53))* SQLQuery1.sql - L...9PU\CONGTER (57))*

```
select * from v_Lab2_3
```

100 %

Results Messages

	masp	tensp	tenhang	soluong	mausac	giaban	donvitinh	mota
1	SP02	F1 Plus	Samsung	100	Xám	7000000.00	Chi?c	Hàng c?n c?o c?p
2	SP05	Galaxy V21	Samsung	500	Nâu	8000000.00	Chi?c	Hàng c?n c?o c?p

4. Đưa ra thông tin các nhân viên Nữ ở phòng 'Kế toán':

SQLQuery4.sql - L...9PU\CONGTER (70))* SQLQuery3.sql - L...9PU\CONGTER (53))* SQLQuery1.sql - L...9PU\CONGTER (57))*

```
USE QLBanHang
Go
create view v_Lab2_4
as
SELECT * FROM Nhanvien
WHERE gioitinh = N'N?' AND phong = N'K? toán';
```

100 %

Messages

Commands completed successfully.

Completion time: 2023-03-31T13:36:40.8828171+07:00

SQLQuery4.sql - L...9PU\CONGTER (70))* SQLQuery3.sql - L...9PU\CONGTER (53))* SQLQuery1.sql - L...9PU\CONGTER (57))*

```
select * from v_Lab2_4
```

100 %

Results

Messages

	manv	tennv	gioitinh	diachi	sodt	email	phong
1	NV01	Nguyễn Thị Thu	N?	Hà Nội	0982626521	thu@gmail.com	K? toán
2	NV03	Trần Hòa Bình	N?	Hà Nội	0328388388	hb@gmail.com	K? toán

5. Đưa ra thông tin phiếu nhập gồm: sohdn, masp, tensp, tenhang, soluongN, dongiaN, tiennhap=soluongN*dongiaN, mausac, donvitinh, ngaynhap, tennv, phong. Sắp xếp theo chiều tăng dần của hóa đơn nhập:

SQL Query4.sql - L...9PU\CONGTER (70))* SQL Query3.sql - L...9PU\CONGTER (53))* SQL Query1.sql - L...9PU\CONGTER (57))*

```

USE QLBanHang
Go
create view v_Lab2_5
as
SELECT n.sohdn, n.masp, sp.tensp, hs.tenhang, n.soluongN, n.dongiaN, n.soluongN*n.dongiaN AS tiennhap, sp.mausac, sp.donvitinh, n.ngaynhap, nv.tennv, nv.phong FROM Nhap AS n
INNER JOIN Sanpham AS sp
ON n.masp = sp.masp
INNER JOIN Hangsx AS hs
ON sp.mahangsx = hs.mahangsx
INNER JOIN Nhanvien AS nv
ON n.manv = nv.manv

```

100 %

Messages

Commands completed successfully.

Completion time: 2023-03-31T13:39:09.5809923+07:00

SQL Query4.sql - L...9PU\CONGTER (70))* SQL Query3.sql - L...9PU\CONGTER (53))* SQL Query1.sql - L...9PU\CONGTER (57))*

```

select * from v_Lab2_5 ORDER BY sohdn ASC;

```

100 %

Results

	sohdn	masp	tensp	tenhang	soluongN	dongiaN	tiennhap	mausac	donvitinh	ngaynhap	tennv	phong
1	N01	SP02	F1 Plus	Samsung	10	17000000.00	170000000.00	Xám	Chi?c	2019-05-02	Nguyễn Thị Thu	K? toán
2	N02	SP01	Galaxy Note11	OPPO	30	6000000.00	180000000.00	Đ?	Chi?c	2020-07-04	Lê Văn Nam	V?t tu
3	N03	SP04	Vjoy3	Vinphone	20	1200000.00	24000000.00	Xám	Chi?c	2020-05-17	Lê Văn Nam	V?t tu
4	N04	SP01	Galaxy Note11	OPPO	10	6200000.00	62000000.00	Đ?	Chi?c	2020-03-22	Trần Hòa Bình	K? toán
5	N05	SP05	Galaxy V21	Samsung	20	7000000.00	140000000.00	Nâu	Chi?c	2020-07-07	Nguyễn Thị Thu	K? toán

6. Đưa ra thông tin phiếu xuất gồm: sohdx, masp, tensp, tenhang, soluongX, giaban, tienxuat=soluongX*giaban, mausac, donvitinh, ngayxuat, tennv, phong trong tháng 10 năm 2018, sắp xếp theo chiều tăng dần của sohdx:

SQLQuery4.sql - L...9PU\CONGTER (70))* SQLQuery3.sql - L...9PU\CONGTER (53))* SQLQuery1.sql - L...9PU\CONGTER (57))*

```
USE QLBanHang
Go
create view v_Lab2_6
as
SELECT Xuat.sohdx, Sanpham.masp, Sanpham.tensp, Hangsx.tenhang, Xuat.soluongX, Sanpham.giaban, Xuat.soluongX*Sanpham.giaban
AS tienxuat, Sanpham.mausac, Sanpham.donvitinh, Xuat.ngayxuat, Nhanvien.tennv, Nhanvien.phong FROM Xuat
JOIN Sanpham ON Xuat.masp = Sanpham.masp
JOIN Hangsx ON Sanpham.mahangsx = Hangsx.mahangsx
JOIN Nhanvien ON Xuat.manv = Nhanvien.manv
WHERE MONTH(Xuat.ngayxuat) = 10 AND YEAR(Xuat.ngayxuat) = 2018
```

100 %

Messages

Commands completed successfully.

Completion time: 2023-03-31T13:50:31.3904219+07:00

SQLQuery4.sql - L...9PU\CONGTER (70))* SQLQuery3.sql - L...9PU\CONGTER (53))* SQLQuery1.sql - L...9PU\CONGTER (57))*

```
select * from v_Lab2_6 ORDER BY sohdx ASC
```

100 %

Results Messages

sohdx	masp	tensp	tenhang	soluongX	giaban	tienxuat	mausac	donvitinh	ngayxuat	tennv	phong
-------	------	-------	---------	----------	--------	----------	--------	-----------	----------	-------	-------

7. Đưa ra các thông tin về các hóa đơn mà hãng samsung đã nhập trong năm 2017, gồm:

sohdn, masp, tensp, soluongN, dongiaN, ngaynhap, tennv, phong:

SQLQuery4.sql - L...9PU\CONGTER (70)))* SQLQuery3.sql - L...9PU\CONGTER (53)))* SQLQuery1.sql - L...9PU\CONGTER (57)))*

```
USE QLBanHang
Go
create view v_Lab2_7
as
SELECT Nhap.sohdn, Sanpham.masp, Sanpham.tensp, Nhap.soluongN, Nhap.dongiaN, Nhap.ngaynhap, Nhanvien.tennv, Nhanvien.phong FROM Nhap
JOIN Sanpham ON Nhap.masp = Sanpham.masp
JOIN Hangsx ON Sanpham.mahangsx = Hangsx.mahangsx
JOIN Nhanvien ON Nhap.manv = Nhanvien.manv
WHERE YEAR(Nhap.ngaynhap) = 2017 AND Hangsx.tenhang = 'samsung';
```

100 %

Messages

Commands completed successfully.

Completion time: 2023-03-31T13:53:03.0637737+07:00

SQLQuery4.sql - L...9PU\CONGTER (70)))* SQLQuery3.sql - L...9PU\CONGTER (53)))* SQLQuery1.sql - L...9PU\CONGTER (57)))*

```
select * from v_Lab2_7
```

100 %

Results Messages

sohdn	masp	tensp	soluongN	dongiaN	ngaynhap	tennv	phong
-------	------	-------	----------	---------	----------	-------	-------

8. Đưa ra Top 10 hóa đơn xuất có số lượng xuất nhiều nhất trong năm 2018, sắp xếp theo

chiều giảm dần của soluongX:

The screenshot displays the SQL Server Enterprise Manager interface. The top pane shows the SQL script for creating a view named `v_Lab2_8`. The script selects the top 10 products based on the total quantity sold (`sum(Xuat.soluongX)`) in descending order for the year 2018. The bottom pane shows the execution results of the `select * from v_Lab2_8` query, displaying a table with 12 columns and one row of data.

```
create view v_Lab2_8
as
SELECT TOP 10 Xuat.sohdx, Sanpham.masp, Sanpham.tensp, Hangsx.tenhang, Xuat.soluongX, Sanpham.giaban, Xuat.soluongX*Sanpham.giaban
AS tienxuat, Sanpham.mausac, Sanpham.donvitinh, Xuat.ngayxuat, Nhanvien.tennv, Nhanvien.phong
FROM Xuat
JOIN Sanpham ON Xuat.masp = Sanpham.masp
JOIN Hangsx ON Sanpham.mahangsx = Hangsx.mahangsx
JOIN Nhanvien ON Xuat.manv = Nhanvien.manv
WHERE Xuat.sohdx IN (
    SELECT TOP 10 Xuat.sohdx
    FROM Xuat
    WHERE YEAR(Xuat.ngayxuat) = 2018
    GROUP BY Xuat.sohdx
    ORDER BY SUM(Xuat.soluongX) DESC
)
ORDER BY Xuat.sohdx, Sanpham.masp;
```

Messages

Commands completed successfully.

Completion time: 2023-03-31T14:02:23.4097232+07:00

```
select * from v_Lab2_8
```

Results

	sohdx	masp	tensp	tenhang	soluongX	giaban	tienxuat	mausac	donvitinh	ngayxuat	tennv	phong
1	X05	SP05	Galaxy V21	Samsung	1	8000000.00	8000000.00	Nầu	Chi?c	2018-05-18	Nguyễn Thị Thu	K? toán

9. Đưa ra thông tin 10 sản phẩm có giá bán cao nhất trong cửa hàng, theo chiều giảm dần giá bán:

SQLQuery4.sql - L...\9PU\CONGTER (70))*

SQLQuery3.sql - L...\9PU\CONGTER (53))*

SQLQuery6.sql - L...\9PU\CONGTER (57))*

```
create view v_Lab2_9
as
SELECT TOP 10 * FROM Sanpham
ORDER BY giaban DESC;
```

100 %

Messages

Commands completed successfully.

Completion time: 2023-03-31T14:07:32.4560528+07:00

SQLQuery4.sql - L...9PU\CONGTER (70))* SQLQuery3.sql - L...9PU\CONGTER (53))* SQLQuery6.sql - L...9PU\CONGTER (57))*

select * from v_Lab2_9

100 %

Results Messages

	masp	mahangsx	tensp	soluong	mausac	giaban	donvitinh	mota
1	SP05	H01	Galaxy V21	500	Nâu	8000000.00	Chi?c	Hàng c?n c?o c?p
2	SP02	H01	F1 Plus	100	Xám	7000000.00	Chi?c	Hàng c?n c?o c?p
3	SP03	H02	F3 lite	200	Nâu	3000000.00	Chi?c	Hàng ph? thông
4	SP01	H02	Galaxy Note11	50	Đ?	1900000.00	Chi?c	Hàng c?n c?o c?p
5	SP04	H03	Vjoy3	200	Xám	1500000.00	Chi?c	Hàng ph? thông

10. Đưa ra các thông tin sản phẩm có giá bán từ 100.000 đến 500.000 của hãng samsung:

```
SQLQuery4.sql - L...9PU\CONGTER (70))* X SQLQuery3.sql - L...9PU\CONGTER (53))* SQLQuery6.sql - L...9PU\CONGTER (57))* X SQLQ
```

```
create view v_Lab2_10
as
SELECT Sanpham.* FROM Sanpham
INNER JOIN Hangsx ON Sanpham.mahangsx = Hangsx.mahangsx
WHERE Hangsx.tenhang = 'Samsung' AND giaban BETWEEN 100000 AND 500000;
```

100 %

Messages

Commands completed successfully.

Completion time: 2023-03-31T14:11:17.6108513+07:00

SQLQuery4.sql - L...9PU\CONGTER (70))* SQLQuery3.sql - L...9PU\CONGTER (53))* SQLQuery6.sql - L...9PU\CONGTER (57))* SQLQuery8.sql - L...9PU\CONGTER (58))*

select * from v_Lab2_10

100 %

Results

Messages

masp	mahangsx	tensp	soluong	mausac	giaban	donvitinh	mota
------	----------	-------	---------	--------	--------	-----------	------

13. Đưa ra sohdn, ngaynhap có tiền nhập phải trả cao nhất trong năm 2018:

The screenshot displays the SQL Server Enterprise Manager interface. The top pane shows the SQL query editor with the following code:

```
create view v_Lab2_13
as
SELECT TOP 1 sohdn, ngaynhap FROM Nhap
WHERE YEAR(ngaynhap) = 2018
ORDER BY soluongN*dongiaN DESC;
```

The bottom pane shows the Messages tab with the following text:

Commands completed successfully.
Completion time: 2023-03-31T14:27:54.1972063+07:00

The top pane also shows the SQL query editor with the following code:

```
select * from v_Lab2_13
```

The bottom pane shows the Results tab with the following data:

sohdn	ngaynhap
-------	----------

14. Đưa ra 10 mặt hàng có soluongN nhiều nhất trong năm 2019:

```
SQLQuery4.sql - L...9PU\CONGTER (70)))* SQLQuery3.sql - L...9PU\CONGTER (53)))* SQLQuery6.sql - L...9PU\CONGTER (57)))* SQLQuery8.sql - L...9PU\CONGTER (61)))*
create view v_Lab2_14
as
SELECT TOP 10 masp, SUM(soluongN) as TongSoLuongN FROM Nhap
WHERE YEAR(ngaynhap) = 2019
GROUP BY masp
ORDER BY TongSoLuongN DESC;
```

100 %

Messages

Commands completed successfully.

Completion time: 2023-03-31T14:29:25.8991976+07:00

```
SQLQuery4.sql - L...9PU\CONGTER (70)))* SQLQuery3.sql - L...9PU\CONGTER (53)))* SQLQuery6.sql - L...9PU\CONGTER (57)))* SQLQuery8.sql - L...9PU\CONGTER (61)))*
select * from v_Lab2_14
```

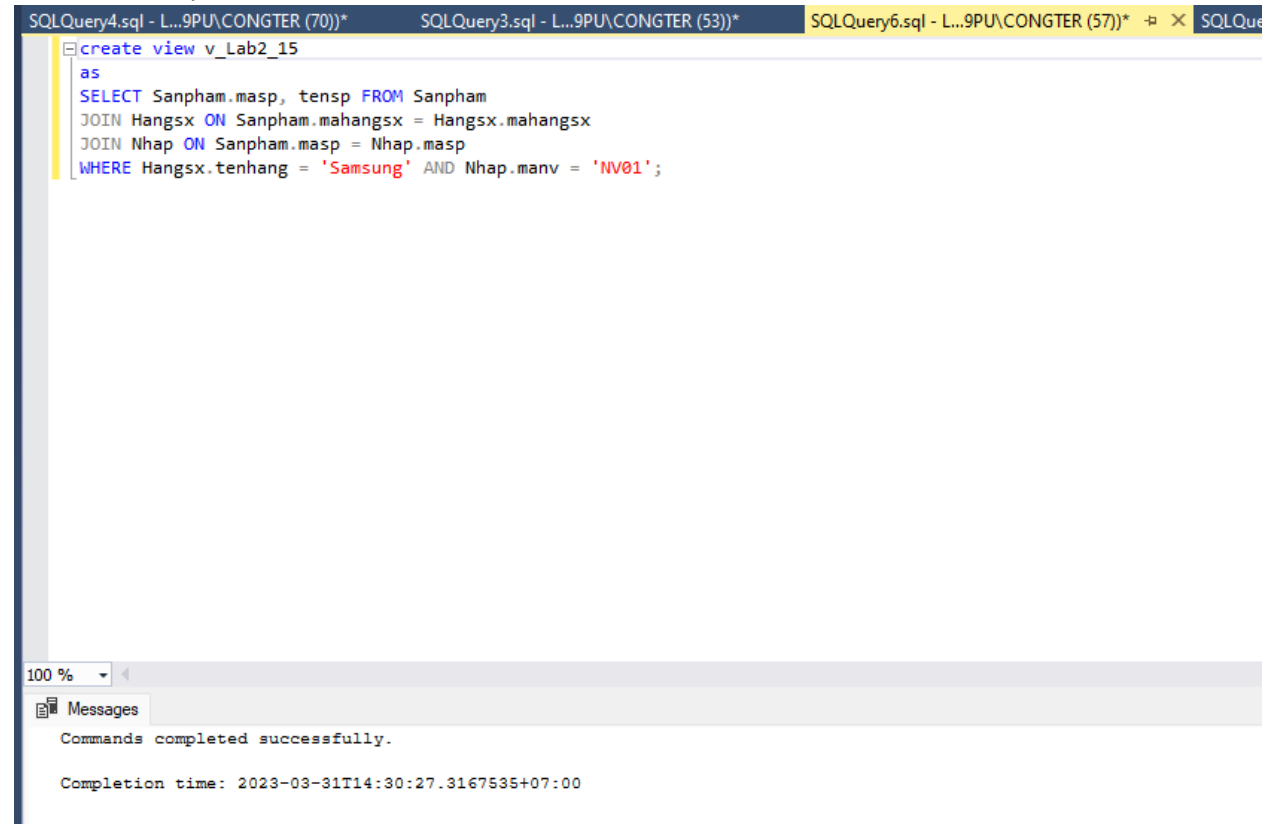
100 %

Results Messages

	masp	TongSoLuongN
1	SP02	10

15. Đưa ra masp,tensp của các sản phẩm do công ty 'Samsung' sản xuất do nhân viên có

mã 'NV01' nhập:



The screenshot displays the SQL Server Enterprise Manager interface. At the top, there are three tabs: 'SQLQuery4.sql - L...9PU\CONGTER (70))*', 'SQLQuery3.sql - L...9PU\CONGTER (53))*', and 'SQLQuery6.sql - L...9PU\CONGTER (57))*'. The active tab shows a SQL query in a text editor. The query is as follows:

```
create view v_Lab2_15
as
SELECT Sanpham.masp, tensp FROM Sanpham
JOIN Hangsx ON Sanpham.mahangsx = Hangsx.mahangsx
JOIN Nhap ON Sanpham.masp = Nhap.masp
WHERE Hangsx.tenhang = 'Samsung' AND Nhap.manv = 'NV01';
```

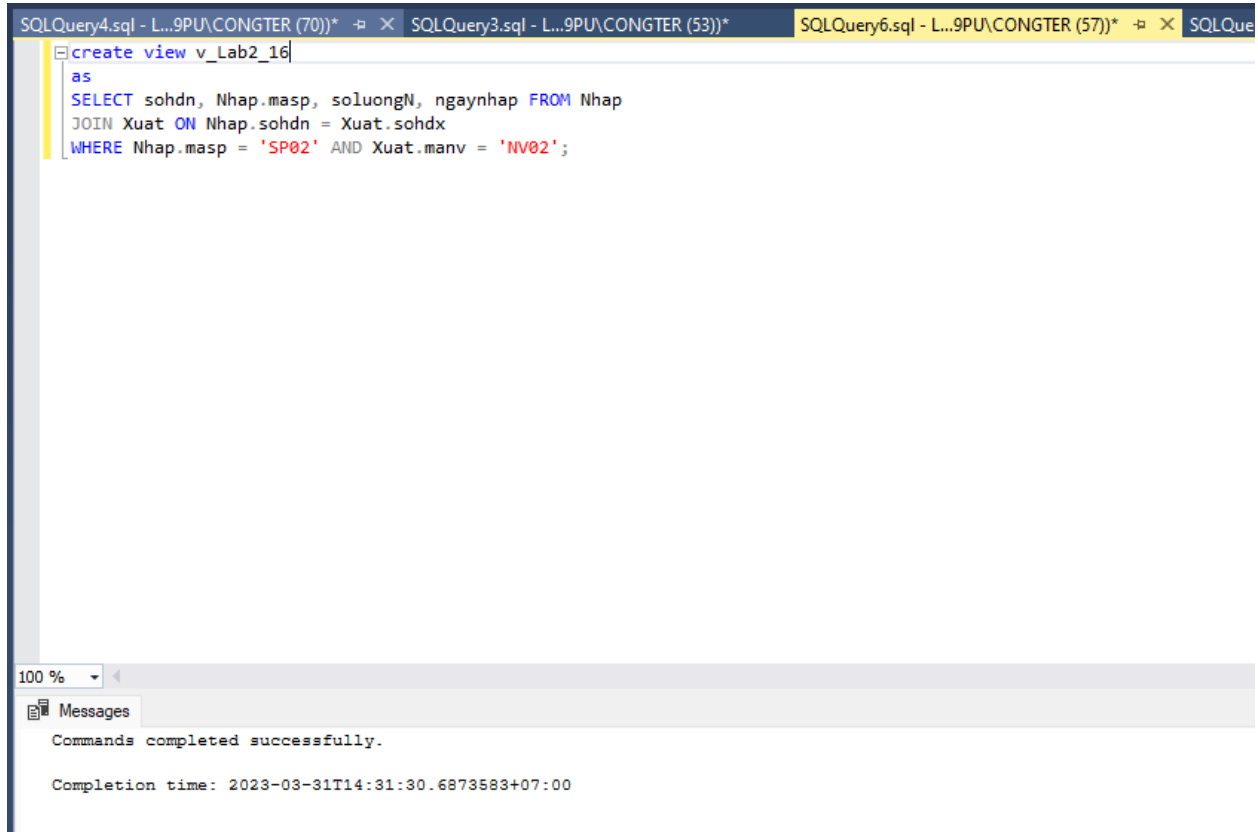
Below the query editor, there is a 'Messages' pane. It shows the message 'Commands completed successfully.' and the completion time 'Completion time: 2023-03-31T14:30:27.3167535+07:00'.

The screenshot shows the SQL Server Enterprise Manager interface. At the top, there are several tabs for SQL queries: 'SQLQuery4.sql - L...9PU\CONGTER (70)))*', 'SQLQuery3.sql - L...9PU\CONGTER (53)))*', 'SQLQuery6.sql - L...9PU\CONGTER (57)))*', and 'SQLQu...'. The active query window contains the SQL statement: `select * from v_Lab2_15`. Below the query window, the 'Results' pane is visible, showing a table with two columns: 'masp' and 'tenp'. The table contains two rows of data:

	masp	tenp
1	SP02	F1 Plus
2	SP05	Galaxy V21

16. Đưa ra sohđn,masp,soluongN,ngayN của mặt hàng có masp là 'SP02', được nhân

viên 'NV02' xuất:



The screenshot displays the SQL Server Enterprise Manager interface. At the top, there are three tabs: 'SQLQuery4.sql - L...9PU\CONGTER (70))', 'SQLQuery3.sql - L...9PU\CONGTER (53))', and 'SQLQuery6.sql - L...9PU\CONGTER (57))'. The active tab shows a SQL query:

```
create view v_Lab2_16
as
SELECT sohdn, Nhap.masp, soluongN, ngaynhap FROM Nhap
JOIN Xuat ON Nhap.sohdn = Xuat.sohdx
WHERE Nhap.masp = 'SP02' AND Xuat.manv = 'NV02';
```

 Below the query editor, a 'Messages' pane shows the execution result: 'Commands completed successfully.' and 'Completion time: 2023-03-31T14:31:30.6873583+07:00'. The zoom level is set to 100%.

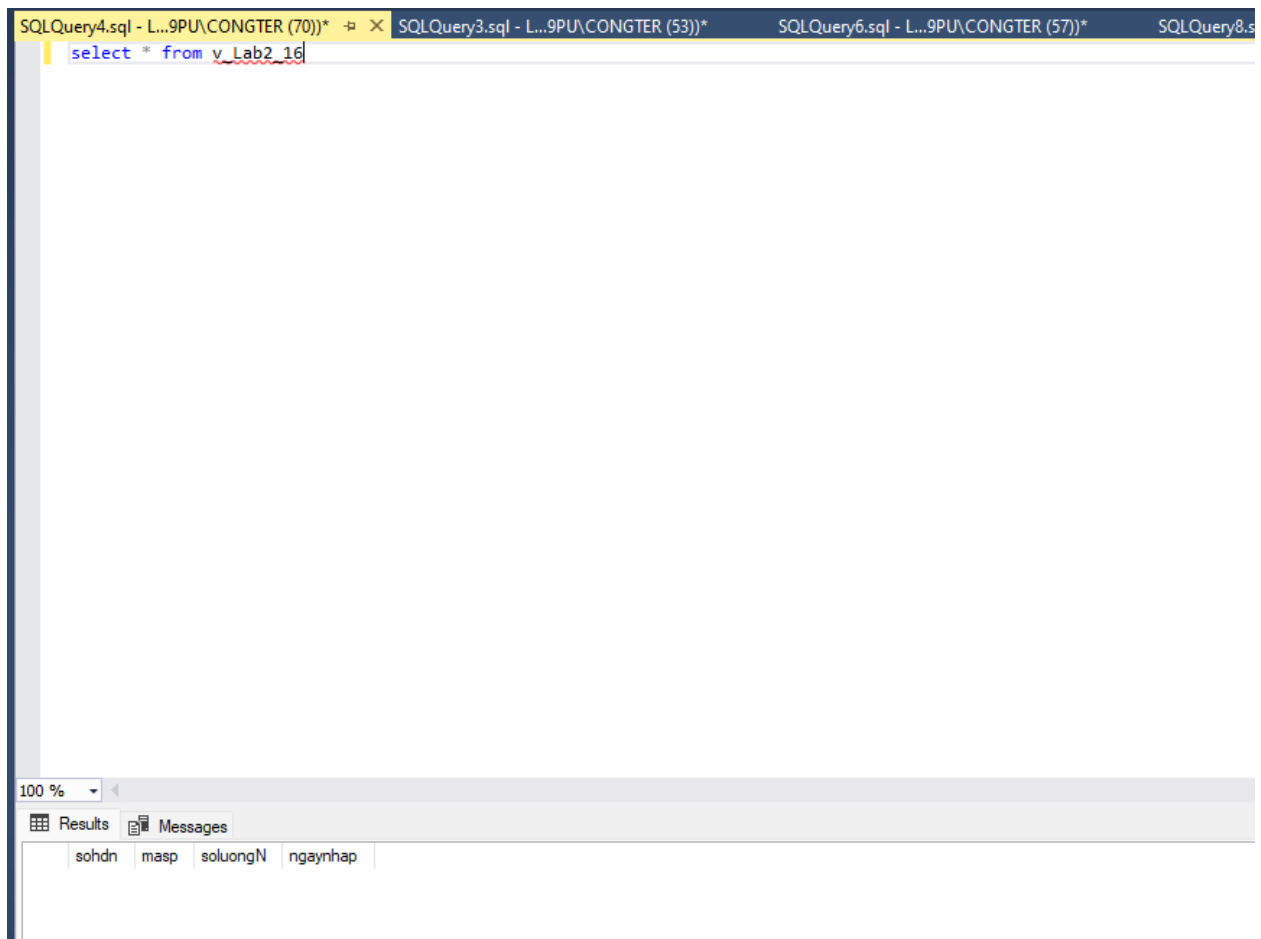
```
create view v_Lab2_16
as
SELECT sohdn, Nhap.masp, soluongN, ngaynhap FROM Nhap
JOIN Xuat ON Nhap.sohdn = Xuat.sohdx
WHERE Nhap.masp = 'SP02' AND Xuat.manv = 'NV02';
```

100 %

Messages

Commands completed successfully.

Completion time: 2023-03-31T14:31:30.6873583+07:00



17. Đưa ra manv,tennv đã xuất mặt hàng có mã 'SP02' ngày '03-02-2020':

SQLQuery4.sql - L...9PU\CONGTER (70))* SQLQuery3.sql - L...9PU\CONGTER (53))* SQLQuery6.sql - L...9PU\CONGTER (57))* SQLQuery8.sql - L...9PU\

```
create view v_Lab2_17
as
SELECT Nhanvien.manv, tennv FROM Nhanvien
JOIN Xuat ON Nhanvien.manv = Xuat.manv
WHERE Xuat.masp = 'SP02' AND Xuat.ngayxuat = '2020-02-03';
```

100 %

Messages

Commands completed successfully.

Completion time: 2023-03-31T14:42:49.6450745+07:00

SQLQuery4.sql - L...9PU\CONGTER (70))* SQLQuery3.sql - L...9PU\CONGTER (53))* SQLQuery6.sql - L...9PU\CONGTER (57))*

select * from v_Lab2_17

100 %

Results Messages

manv tennv