

Họ tên: Lê Ngọc Phương Thảo

MSSV: 23521467

Lớp: IT004.P113

Github: github.com/lngphgthao/IT004.P113

1. Bài tập 1

Sinh viên tiến hành viết câu lệnh nhập dữ liệu cho CSDL QuanLyBanHang (Phần II, câu 1 bài tập thực hành trang 4)

QuantyBanHang.sql - DESKTOP-463N194.QuantyBanHang (DESKTOP-463N194\Admin (65)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Quick Launch (Ctrl+Q)

QuantyBanHang

QuantyBanHang.sql * X

--Bai tap 1

--Phan 2 Cau 1

USE QuantyBanHang

INSERT INTO NHAVIEN (MANV, HOTEN, SODT, NGVL)

VALUES

(‘NV01’, ‘Nguyen Nhu Nhut’, ‘0927345678’, ‘2005-04-13’),
(‘NV02’, ‘Le Thi Phi Yen’, ‘0987567390’, ‘2006-04-21’),
(‘NV03’, ‘Nguyen Van B’, ‘0997047382’, ‘2006-04-27’),
(‘NV04’, ‘Ngo Thanh Tuan’, ‘0913758498’, ‘2006-06-24’),
(‘NV05’, ‘Nguyen Thi Truc Thanh’, ‘0927345678’, ‘2006-07-20’);

INSERT INTO KHACHHANG (MAKH, HOTEN, DCKH, SODT, NGISINH, DOANHSO, NGDK)

VALUES

(‘KH01’, ‘Nguyen Van A’, ‘731 Tran Hung Dao, Q5, TpHCM’, ‘98823451’, ‘1968-10-22’, ‘13860000’, ‘2006-07-22’),
(‘KH02’, ‘Tran Ngoc Han’, ‘22/5 Nguyen Trai, Q5, TpHCM’, ‘0908256478’, ‘1974-04-03’, ‘2800000’, ‘2006-07-30’),
(‘KH03’, ‘Tran Ngoc Lien’, ‘45 Nguyen Canh Chan, Q1, TpHCM’, ‘0938776266’, ‘1988-06-12’, ‘3800000’, ‘2006-08-05’),
(‘KH04’, ‘Tran Ngoc Long’, ‘12/10 Pham Ngan Hiep, Q10, TpHCM’, ‘0917325467’, ‘1978-01-15’, ‘2800000’, ‘2006-09-02’),
(‘KH05’, ‘Tran Ngoc Hieu’, ‘34 Truong Dinh, Q10, TpHCM’, ‘0840465321’, ‘1981-03-19’, ‘22000’, ‘2006-10-25’),
(‘KH06’, ‘Le Hoai Thung’, ‘227 Nguyen Van Cu, Q5, TpHCM’, ‘09631738’, ‘1981-12-31’, ‘915000’, ‘2006-11-24’),
(‘KH07’, ‘Nguyen Van Tam’, ‘32/3 Tran Binh Trong, Q5, TpHCM’, ‘0916735665’, ‘1971-04-06’, ‘12500’, ‘2006-12-01’),

89 %

Result Messages

	MANV	HOTEN	SODT	NGVL
1	NV01	Nguyen Nhu Nhut	0927345678	2006-04-13 00:00:00
2	NV02	Le Thi Phi Yen	0987567390	2006-04-21 00:00:00
3	NV03	Nguyen Van B	0997047382	2006-04-27 00:00:00
4	NV04	Ngo Thanh Tuan	0913758498	2006-06-24 00:00:00
5	NV05	Nguyen Thi Truc Thanh	0927345678	2006-07-20 00:00:00

Query executed successfully.

DESKTOP-463N194 (16.0 RTM) | DESKTOP-463N194\Admin ... | QuantyBanHang | 00:00:00 5 rows

QuantyBanHang.sql - DESKTOP-463NI94.QuantyBanHang (DESKTOP-463NI94\Admin (65)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Quick Launch (Ctrl+Q)

QuantyBanHang

QuantyBanHang.sql...[NI94\Admin (65)]* ×

insert into chtd values

INSERT INTO NHANVIEN (MANV, HOTEN, SOQT, NGVLV)

VALUES

(‘NV01’, ‘Nguyen Nhu Nhut’, ‘#9273456789’, ‘2006-04-13’),
('NV02', 'Le Thi Phu Yen', '0987567398', '2006-04-21'),
('NV03', 'Nguyen Van B', '0997847382', '2006-04-27'),
('NV04', 'Ngo Thanh Tuan', '0913758498', '2006-06-24'),
('NV05', 'Nguyen Thi Truc Thanh', '0927345679', '2006-07-28');

INSERT INTO KHACHHANG (MACKH, HOTEN, DCHI, SOQT, NGSLHM, DOANHDO, NGDK)

VALUES

(‘KH01’, ‘Nguyen Van A’, ‘731 Tran Hung Dao, Q5, TpHCM’, ‘08823451’, ‘1960-10-22’, ‘13800000’, ‘2006-07-22’),
('KH02', 'Tran Ngoc Han', '23/5 Nguyen Trai, Q5, TpHCM', '0986256478', '1974-04-03', '2800000', '2006-07-30'),
('KH03', 'Tran Ngoc Linh', '45 Nguyen Canh Chan, Q1, TpHCM', '0938776266', '1988-06-12', '3800000', '2006-08-05'),
('KH04', 'Tran Ngoc Long', '10/24 Le Dai Hach, Q10, TpHCM', '0917231000', '1965-03-01', '1500000', '2006-10-02'),
('KH05', 'Le Huu Hieu', '34 Tran Phu, Q3, TpHCM', '0824510000', '1978-09-09', '2000000', '2006-10-20'),
('KH06', 'Le Huu Tho', '227 Nguyen Van Cu, Q5, TpHCM', '08831788', '1981-12-31', '915000', '2006-11-24'),
('KH07', 'Nguyen Van Tan', '32/3 Tran Binh Trong, Q5, TpHCM', '0916783565', '1971-04-06', '12500', '2006-12-01'),
('KH08', 'Phan Thanh Thanh', '45/2 An Duong Vuong, Q5, TpHCM', '0938435756', '1971-01-10', '365000', '2006-12-13'),
('KH09', 'Le Ha Vinh', '873 Le Hong Phong, Q5, TpHCM', '08854763', '1979-09-03', '78000', '2007-01-14'),
('KH10', 'Ha Duy Lap', '34/34B Nguyen Trai, Q1, TpHCM', '08766894', '1983-05-02', '67500', '2007-01-16');

Results Messages

	MACKH	HOTEN	DCHI	BODT	NGSLHM	NGDK	DOANHDO	LOAIKH
1	KH01	Nguyen Van A	731 Tran Hung Dao, Q5, TpHCM	08823451	1960-10-22 00:00:00	2006-07-22 00:00:00	13800000	NULL
2	KH02	Tran Ngoc Han	23/5 Nguyen Trai, Q5, TpHCM	0986256478	1974-04-03 00:00:00	2006-07-30 00:00:00	2800000	NULL
3	KH03	Tran Ngoc Linh	45 Nguyen Canh Chan, Q1, TpHCM	0938776266	1988-06-12 00:00:00	2006-08-05 00:00:00	3800000	NULL
4	KH04	Tran Ngoc Long	10/24 Le Dai Hach, Q10, TpHCM	0917231000	1965-03-01 00:00:00	2006-10-02 00:00:00	1500000	NULL
5	KH05	Le Huu Hieu	34 Tran Phu, Q3, TpHCM	0824510000	1978-09-09 00:00:00	2006-10-20 00:00:00	2000000	NULL
6	KH06	Le Huu Tho	227 Nguyen Van Cu, Q5, TpHCM	08831788	1981-12-31 00:00:00	2006-11-24 00:00:00	915000	NULL
7	KH07	Nguyen Van Tan	32/3 Tran Binh Trong, Q5, TpHCM	0916783565	1971-04-06 00:00:00	2006-12-01 00:00:00	12500	NULL
8	KH08	Phan Thanh Thanh	45/2 An Duong Vuong, Q5, TpHCM	0938435756	1971-01-10 00:00:00	2006-12-13 00:00:00	365000	NULL
9	KH09	Le Ha Vinh	873 Le Hong Phong, Q5, TpHCM	08854763	1979-09-03 00:00:00	2007-01-14 00:00:00	70000	NULL
10	KH10	Ha Duy Lap	34/34B Nguyen Trai, Q1, TpHCM	08766894	1983-05-02 00:00:00	2007-01-16 00:00:00	67500	NULL

Query executed successfully.

DESKTOP-463NI94 (16.0 RTM) DESKTOP-463NI94\Admin ... QuantyBanHang | 00:00:00 | 10 rows

```

QuantyBanHang.sql - DESKTOP-463NI94.QuantyBanHang (DESKTOP-463NI94\Admin (65)) - Microsoft SQL Server Management Studio
File Edit View Query Project Tools Window Help
Object Explorer Results Messages
QuantyBanHang.sql 9
[...] insert into cthd values
VALUES
(1001, 'TV02', 10), (1001, 'ST01', 5), (1001, 'BC01', 5),
(1001, 'SC02', 10), (1001, 'ST02', 10), (1002, 'BC04', 20),
(1002, 'BB01', 20), (1002, 'BB02', 20), (1003, 'BB03', 10),
(1004, 'TV01', 20), (1004, 'TV02', 10), (1004, 'TV03', 10),
(1004, 'TV04', 10), (1005, 'TV05', 50), (1005, 'TV06', 50),
(1006, 'TV07', 20), (1006, 'ST01', 30), (1006, 'ST02', 10),
(1007, 'ST03', 10), (1008, 'ST04', 8), (1009, 'ST05', 10),
(1009, 'TV02', 50), (1010, 'ST07', 50), (1011, 'ST08', 100),
(1010, 'ST04', 50), (1010, 'TV03', 100), (1011, 'ST06', 50),
(1012, 'ST07', 3), (1013, 'ST08', 5), (1014, 'BC02', 80),
(1014, 'BB02', 100), (1014, 'BC04', 60), (1014, 'BB01', 50),
(1015, 'BB02', 30), (1015, 'BB03', 7), (1016, 'TV01', 5),
(1017, 'TV02', 1), (1017, 'TV03', 1), (1017, 'TV04', 5),
(1018, 'ST04', 6), (1019, 'ST05', 1), (1019, 'ST06', 2),
(1020, 'ST07', 10), (1021, 'ST08', 5), (1021, 'TV01', 7),
(1021, 'TV02', 10), (1022, 'ST07', 1), (1023, 'ST04', 6);

99 %

```

Results

MASp	TENSP	DVT	NUOCSD	GIA
BB01	Bu t bi	cay	Viet Nam	5000.00
BB02	Bu t bi	cay	Trung Quoc	10000.00
BB03	Bu t chi	hop	Thai Lan	10000.00
BC01	Bu t chi	cay	Singapore	3000.00
BC02	Bu t chi	cay	Singapore	5000.00
BC03	Bu t chi	cay	Viet Nam	3500.00
BC04	Bu t chi	hop	Viet Nam	3000.00
ST01	So tay 500 trang	quyen	Trung Quoc	40000.00
ST02	So tay loi 1	quyen	Viet Nam	55000.00
ST03	So tay loi 2	quyen	Viet Nam	51000.00
ST04	So tay	quyen	Thai Lan	55000.00
ST05	So tay mon	quyen	Thai Lan	20000.00
ST06	Phan viet bang	hop	Viet Nam	5000.00
ST07	Phan khong bu	hop	Viet Nam	7000.00
ST08	Phan khong bang	cai	Viet Nam	10000.00
ST09	Bu long	cai	Viet Nam	5000.00
ST10	Bu long	cay	Trung Quoc	7000.00
TV01	Tap 100 giao mong	quyen	Trung Quoc	2500.00
TV02	Tap 200 giao mong	quyen	Trung Quoc	4500.00
TV03	Tap 100 giao lot	quyen	Viet Nam	3000.00
TV04	Tap 200 giao lot	quyen	Viet Nam	5500.00
TV05	Tap 100 trang	chuc	Viet Nam	23000.00
TV06	Tap 200 trang	chuc	Viet Nam	53000.00
TV07	Tap 100 trang	chuc	Trung Quoc	34000.00

Query executed successfully.

```

QuantyBanHang.sql - DESKTOP-463NI94.QuantyBanHang (DESKTOP-463NI94\Admin (65)) - Microsoft SQL Server Management Studio
File Edit View Query Project Tools Window Help
Object Explorer Results Messages
QuantyBanHang.sql 9
[...] insert into cthd values
VALUES
(1010, 'ST04', 50), (1010, 'TV01', 100), (1011, 'ST06', 50),
(1012, 'ST07', 3), (1013, 'ST08', 5), (1014, 'BC02', 80),
(1014, 'BB02', 100), (1014, 'BC04', 60), (1014, 'BB01', 50),
(1015, 'BB02', 30), (1015, 'BB03', 7), (1016, 'TV01', 5),
(1017, 'TV02', 1), (1017, 'TV03', 1), (1017, 'TV04', 5),
(1018, 'ST04', 6), (1019, 'ST05', 1), (1019, 'ST06', 2),
(1020, 'ST07', 10), (1021, 'ST08', 5), (1021, 'TV01', 7),
(1021, 'TV02', 10), (1022, 'ST07', 1), (1023, 'ST04', 6);

SELECT *
FROM HOADON;

99 %

```

Results

SOHD	NQHD	MAKH	MANV	TRGIA	
1	1001	2006-07-23 00:00:00	KH01	NV01	320000.00
2	1002	2006-09-12 00:00:00	KH01	NV02	840000.00
3	1003	2006-09-23 00:00:00	KH02	NV01	100000.00
4	1004	2006-09-01 00:00:00	KH02	NV01	180000.00
5	1005	2006-05-20 00:00:00	KH01	NV02	380000.00
6	1006	2006-05-16 00:00:00	KH01	NV03	2430000.00
7	1007	2006-05-28 00:00:00	KH03	NV03	510000.00
8	1008	2006-05-28 00:00:00	KH01	NV03	440000.00
9	1009	2006-05-28 00:00:00	KH03	NV04	200000.00
10	1010	2006-01-01 00:00:00	KH01	NV01	3200000.00
11	1011	2006-01-01 00:00:00	KH05	NV02	500000.00
12	1012	2006-11-26 00:00:00	KH05	NV01	21000.00
13	1013	2006-05-12 00:00:00	KH06	NV01	5000.00
14	1014	2006-05-31 00:00:00	KH03	NV02	3160000.00
15	1015	2007-01-01 00:00:00	KH06	NV01	910000.00
16	1016	2007-01-01 00:00:00	KH07	NV02	125000.00
17	1017	2007-01-02 00:00:00	KH08	NV03	35000.00
18	1018	2007-01-13 00:00:00	KH08	NV03	33000.00
19	1019	2007-01-13 00:00:00	KH01	NV03	30000.00
20	1020	2007-01-14 00:00:00	KH09	NV04	70000.00
21	1021	2007-01-16 00:00:00	KH10	NV03	67500.00
22	1022	2007-01-16 00:00:00	NULL	NV03	7000.00
23	1023	2007-01-17 00:00:00	NULL	NV01	330000.00

Query executed successfully.

QuantyBanHang.sql - DESKTOP-463NI94.QuantyBanHang (DESKTOP-463NI94\Admin (65)) - Microsoft SQL Server Management Studio

```

SELECT *
FROM CTHD

```

SOHD	MASP	SL
1001	BC01	5
2	BC02	10
3	ST01	5
4	ST02	10
5	TV01	20
6	BB01	20
7	BB02	20
8	BC04	20
9	BB03	10
10	TV01	20
11	TV02	10
12	TV03	10
13	TV04	10
14	TV05	50
15	TV06	50
16	ST01	50
17	ST02	10
18	TV07	20
19	ST03	10
20	ST04	8
21	ST05	10
22	ST04	50
23	ST07	50
24	ST08	100
25	TV03	100
26	TV07	50

Query executed successfully.

2. Bài tập 2

Sinh viên tiến hành viết câu lệnh nhập dữ liệu cho CSDL QuanLyGiaoVu.

QuanLyGiaoVu.sql - DESKTOP-463NI94.QuanLyGiaoVu (DESKTOP-463NI94\Admin (70)) - Microsoft SQL Server Management Studio

```

SELECT *
FROM KHOA

```

MAKHOA	TENKHOA	NGITLAP	TROKGHOA
QNPM	Công nghệ phần mềm	2005-05-20 00:00:00	GV04
HHTT	He thong tin	2005-06-07 00:00:00	GV02
KHMT	Khoa học máy tính	2005-06-07 00:00:00	GV01
KTTM	Kỹ thuật máy tính	2005-12-20 00:00:00	NULL
MTT	Mạng và truyền thông	2005-10-20 00:00:00	GV03

Query executed successfully.

QuantyGiaoVu.sql - DESKTOP-463NI94\QuantyGiaoVu (DESKTOP-463NI94\Admin (70)) - Microsoft SQL Server Management Studio

```

SELECT *
FROM MONHOC

```

Results Messages

MAMH	TENMH	TCLT	TCTH	MAKHOA	
1	CSDL	Co so du lieu	3	1	HTTT
2	CTDLGTT	Cau truc du lieu va giao thuat	3	1	KHMT
3	CTR8	Cau truc roi rac	5	0	KHMT
4	DHMT	Do hoa may tri	3	1	KHMT
5	HDT	He dieu hanh	4	0	KTMT
6	KTMT	Kien thuc may tinh	3	0	KTMT
7	LTOPW	Lap trinh chay tren win	3	1	CNPM
8	LTHDT	Lap trinh hung doi luong	3	1	CNPM
9	NMCNPM	Nhap mon cong nghe phan mem	3	0	CNPM
10	PTTKHTT	Phan tich thiet ke thong thong tin	4	1	HTTT
11	PTTKTT	Phan tich thiet ke thuat toan	3	0	KHMT
12	THDC	Tin hoc dai cuong	4	1	KHMT
13	TKCSDL	Thiet ke co so du lieu	3	1	HTTT

Query executed successfully.

QuantyGiaoVu.sql - DESKTOP-463NI94\QuantyGiaoVu (DESKTOP-463NI94\Admin (70)) - Microsoft SQL Server Management Studio

```

SELECT *
FROM DIEUKIEN

```

Results Messages

MAMH	MAMHTRUC
1	CSDL
2	CTDLGTT
3	CTR8
4	DHMT
5	HDT
6	KTMT
7	LTOPW
8	PTTKHTT

Query executed successfully.

QuantyGiaoVu.sql - DESKTOP-463NI94\QuantyGiaoVu (DESKTOP-463NI94\Admin (70)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

New Query Execute

```
QuantyGiaoVu Diagram_0 QuantyBanHang.sql - not connected
```

```

('K1302', 'THDC', 1, '2006-05-20', 8),
('K1302', 'CTR8', 1, '2006-05-13', 8,5),
('K1303', 'CSOL', 1, '2006-12-20', 4),
('K1303', 'CTDLGT', 1, '2006-07-25', 4,5),
('K1303', 'CTDLGT', 2, '2006-07-08', 4),
('K1303', 'CTRLGT', 3, '2006-06-15', 4,25),
('K1303', 'THDC', 1, '2006-05-20', 4,5),
('K1303', 'CTR8', 1, '2006-05-13', 4,5),
('K1303', 'CTR8', 2, '2006-05-20', 5),
('K1304', 'CSOL', 1, '2006-12-20', 7,75),
('K1304', 'CTDLGT', 1, '2006-07-25', 9,75),
('K1304', 'THDC', 1, '2006-05-20', 5,5),
('K1304', 'CTR8', 1, '2006-05-13', 5),
('K1305', 'CSOL', 1, '2006-12-20', 9,25),
('K1305', 'CTDLGT', 1, '2006-07-25', 10),
('K1305', 'THDC', 1, '2006-05-20', 8),
('K1305', 'CTR8', 1, '2006-05-13', 10);

SELECT *
FROM GIAOVIEH

```

Results Messages

MAGV	HOTEN	HODL	HOCHAM	GIOITINH	NGSINH	NGLV	HESO	MUCLUONG	MAKHOA
1	GV01	Ho Thanh Son	PTS	GS	Nam	1950-02-05 00:00:00	2004-11-01 00:00:00	5.0	2250000.00
2	GV02	Tran Tam Thanh	TS	PGS	Nam	1965-12-17 00:00:00	2004-04-20 00:00:00	4.5	2025000.00
3	GV03	Do Nghiem Phung	TS	GS	Nam	1950-09-01 00:00:00	2004-09-23 00:00:00	4.0	1800000.00
4	GV04	Tran Nau Nson	TS	PGS	Nam	1961-02-22 00:00:00	2005-12-01 00:00:00	4.5	2025000.00
5	GV05	Ma Thanh Dinh	ThS	GV	Nam	1958-10-15 00:00:00	2005-11-01 00:00:00	3.0	1800000.00
6	GV06	Tran Dinh Hung	ThS	GV	Nam	1958-11-02 00:00:00	2005-12-01 00:00:00	4.0	2025000.00
7	GV07	Le Van Minh Ten	ThS	GV	Nam	1971-11-20 00:00:00	2005-01-03 00:00:00	4.0	1800000.00
8	GV08	Le Thi Tran	KS	NULL	Nu	1974-03-20 00:00:00	2005-01-01 00:00:00	1.69	780500.00
9	GV09	Nguyen To Lan	ThS	GV	Nu	1966-12-11 00:00:00	2005-01-03 00:00:00	4.0	1800000.00
10	GV10	Le Tran Anh Loan	KS	NULL	Nu	1972-07-17 00:00:00	2005-01-01 00:00:00	1.86	837000.00
11	GV11	Ho Thanh Tung	CN	GV	Nam	1980-12-07 00:00:00	2005-05-15 00:00:00	2.67	1201500.00
12	GV12	Tran Van Anh	CN	NULL	Nu	1981-03-20 00:00:00	2005-05-15 00:00:00	1.69	780500.00
13	GV13	Nguyen Linh Dan	CN	NULL	Nu	1980-05-23 00:00:00	2005-05-15 00:00:00	1.69	780500.00
14	GV14	Truong Minh Chau	ThS	GV	Nu	1976-11-30 00:00:00	2005-05-15 00:00:00	3.00	1350000.00
15	GV15	Le Ha Thanh	ThS	GV	Nam	1978-04-05 00:00:00	2005-05-15 00:00:00	3.00	1350000.00

Query executed successfully.

Ln 199 Col 1 Ch 1 INS

QuantyGiaoVu.sql - DESKTOP-463NI94\QuantyGiaoVu (DESKTOP-463NI94\Admin (70)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

New Query Execute

```
QuantyGiaoVu Diagram_0 QuantyBanHang.sql - not connected
```

```

('K1302', 'THDC', 1, '2006-05-20', 8),
('K1302', 'CTR8', 1, '2006-05-13', 8,5),
('K1303', 'CSOL', 1, '2006-12-20', 4),
('K1303', 'CTDLGT', 1, '2006-07-25', 4,5),
('K1303', 'CTDLGT', 2, '2006-07-08', 4),
('K1303', 'CTDLGT', 3, '2006-08-15', 4,25),
('K1303', 'THDC', 1, '2006-05-20', 4,5),
('K1303', 'CTR8', 1, '2006-05-13', 3,25),
('K1303', 'CTR8', 2, '2006-05-20', 5),
('K1304', 'CSOL', 1, '2006-12-20', 7,75),
('K1304', 'CTDLGT', 1, '2006-07-25', 9,75),
('K1304', 'THDC', 1, '2006-05-20', 5,5),
('K1304', 'CTR8', 1, '2006-05-13', 5),
('K1305', 'CSOL', 1, '2006-12-20', 9,25),
('K1305', 'CTDLGT', 1, '2006-07-25', 10),
('K1305', 'THDC', 1, '2006-05-20', 8),
('K1305', 'CTR8', 1, '2006-05-13', 10);

SELECT *
FROM LOP

```

Results Messages

MALOP	TENLOP	TROLINH	BIBO	MADVON
1	K11	Lop 1 khao 1	K1108	11
2	K12	Lop 2 khao 1	K1205	12
3	K13	Lop 3 khao 1	K1305	12

Query executed successfully.

Ln 199 Col 1 Ch 1 INS

QuantyGiaoVu.sql - DESKTOP-463NI94.QuantyGiaoVu (DESKTOP-463NI94\Admin (70)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

New Query Execute

QuantyGiaoVu Diagram_0 QuantyBanHang.sql - not connected

Object Explorer

Results Messages

MAHV	HQ	TEN	NGBNH	GIOITINH	NOISINH	MALOP	GHICHU	DIEMTB	XEPLONI
K1101	Nguen Van A		1996-01-27 00:00:00	Nam	TphCM	K11	NULL	NULL	NULL
K1102	Tran Ngoc Han		1996-03-14 00:00:00	Nu	Kien Giang	K11	NULL	NULL	NULL
K1103	Ha Duy Lep		1996-04-18 00:00:00	Nam	Nghia An	K11	NULL	NULL	NULL
K1104	Tran Ngoc Linh		1996-03-30 00:00:00	Nu	Tay Ninh	K11	NULL	NULL	NULL
K1105	Tran Minh Long		1996-02-27 00:00:00	Nam	TphCM	K11	NULL	NULL	NULL
K1106	Le Nhat Minh		1996-01-24 00:00:00	Nam	TphCM	K11	NULL	NULL	NULL
K1107	Nguyen Nhu Nhut		1996-01-27 00:00:00	Nam	Ha Noi	K11	NULL	NULL	NULL
K1108	Nguyen Manh Tam		1996-02-27 00:00:00	Nam	Kien Giang	K11	NULL	NULL	NULL
K1109	Phan Thi Thanh Tam		1996-01-27 00:00:00	Nu	Vinh Long	K11	NULL	NULL	NULL
K1110	Le Hoai Thuong		1996-02-25 00:00:00	Nu	Can Tho	K11	NULL	NULL	NULL
K1111	Le Van		1996-12-25 00:00:00	Nam	TphCM	K12	NULL	NULL	NULL
K1201	Nguen Van B		1996-11-02 00:00:00	Nam	TphCM	K12	NULL	NULL	NULL
K1202	Nguen Thi Kim Duyen		1996-01-18 00:00:00	Nam	TphCM	K12	NULL	NULL	NULL
K1203	Tran Thi Kim Duyen		1996-09-17 00:00:00	Nu	TphCM	K12	NULL	NULL	NULL
K1204	Truong My Hiep		1996-05-19 00:00:00	Nu	Dong Nai	K12	NULL	NULL	NULL
K1205	Nguyen Thanh Nam		1995-04-17 00:00:00	Nam	TphCM	K12	NULL	NULL	NULL
K1206	Nguyen Thi Truc		1995-04-03 00:00:00	Nu	Kien Giang	K12	NULL	NULL	NULL
K1207	Tran Thi Bach Thu		1996-08-02 00:00:00	Nu	Nghia An	K12	NULL	NULL	NULL
K1208	Huynh Thi Kim Trieu		1996-08-04 00:00:00	Nu	Tay Ninh	K12	NULL	NULL	NULL
K1209	Pham Thanh Trieu		1996-02-23 00:00:00	Nam	TphCM	K12	NULL	NULL	NULL
K1210	Ngo Thanh Trieu		1996-02-14 00:00:00	Nam	TphCM	K12	NULL	NULL	NULL
K1211	Do Thi Xuan		1996-09-03 00:00:00	Nu	Ha Noi	K12	NULL	NULL	NULL
K1212	Le Thi Phi Yen		1996-09-06 00:00:00	Nu	TphCM	K12	NULL	NULL	NULL
K1213	Nguyen Thi Kim Oanh		1996-09-06 00:00:00	Nu	Kien Giang	K13	NULL	NULL	NULL
K1214	Nguyen Thi My Hien		1996-03-18 00:00:00	Nu	Nghia An	K13	NULL	NULL	NULL
K1215	Le Duc Hien		1996-03-21 00:00:00	Nam	Tay Ninh	K13	NULL	NULL	NULL
K1216	Le Quang Hien		1996-04-18 00:00:00	Nam	TphCM	K13	NULL	NULL	NULL
K1217	Le Thanh Huong		1996-03-27 00:00:00	Nu	TphCM	K13	NULL	NULL	NULL
K1218	Nguyen Thai Huu		1996-03-30 00:00:00	Nam	Ha Noi	K13	NULL	NULL	NULL
K1219	Tran Minh Man		1996-05-28 00:00:00	Nam	TphCM	K13	NULL	NULL	NULL
K1220	Nguyen Hieu Nghia		1996-08-04 00:00:00	Nam	Kien Giang	K13	NULL	NULL	NULL
K1221	Nguyen Trung Nghia		1997-01-18 00:00:00	Nam	Nghia An	K13	NULL	NULL	NULL
K1222	Tran Th Hong		1996-04-22 00:00:00	Nu	Tay Ninh	K13	NULL	NULL	NULL
K1223	Tran Minh Thuc		1996-04-04 00:00:00	Nam	TphCM	K13	NULL	NULL	NULL
K1224	Nguyen Thi Kim Yen		1996-07-09 00:00:00	Nu	TphCM	K13	NULL	NULL	NULL

Query executed successfully.

Ready

Ln 199 Col 1 Ch 1 INS

QuantyGiaoVu.sql - DESKTOP-463NI94.QuantyGiaoVu (DESKTOP-463NI94\Admin (70)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

New Query Execute

QuantyGiaoVu Diagram_0 QuantyBanHang.sql - not connected

Object Explorer

Results Messages

MATH	MAMH	LANTHE	NGTHI	DIEM	KQUA
K1101	CSDL	1	2006-07-20 00:00:00	10.00	Đạt
K1101	CTDLQT	1	2006-12-28 00:00:00	9.00	Đạt
K1101	CTR	1	2006-05-13 00:00:00	9.50	Đạt
K1101	THDC	1	2006-05-20 00:00:00	9.00	Đạt
K1102	CSDL	1	2006-07-20 00:00:00	4.00	Không đạt
K1102	CSDL	2	2006-07-27 00:00:00	4.25	Không đạt
K1102	CSDL	3	2006-10-08 00:00:00	4.50	Không đạt
K1102	CTDLQT	1	2006-12-28 00:00:00	4.50	Không đạt
K1102	CTDLQT	2	2007-01-15 00:00:00	4.00	Không đạt
K1102	CTDLQT	3	2007-01-15 00:00:00	4.00	Đạt
K1102	CTR	1	2006-05-13 00:00:00	7.50	Đạt
K1102	THDC	1	2006-06-20 00:00:00	5.00	Đạt
K1103	CSDL	1	2006-07-20 00:00:00	3.50	Không đạt
K1103	CSDL	2	2006-07-27 00:00:00	8.25	Đạt
K1103	CTDLQT	1	2006-12-28 00:00:00	7.00	Đạt
K1103	CTR	1	2006-05-13 00:00:00	8.50	Đạt
K1103	THDC	1	2006-05-20 00:00:00	8.00	Đạt
K1104	CSDL	1	2006-07-20 00:00:00	3.75	Không đạt
K1104	CTDLQT	1	2006-12-28 00:00:00	4.00	Không đạt
K1104	CTR	1	2006-05-13 00:00:00	4.00	Không đạt
K1104	THDC	1	2006-06-20 00:00:00	3.50	Không đạt
K1105	CTDLQT	3	2006-07-20 00:00:00	4.00	Không đạt
K1104	THDC	1	2006-05-20 00:00:00	4.00	Đạt
K1201	CSDL	1	2006-07-20 00:00:00	6.00	Đạt
K1201	CTDLQT	1	2006-12-28 00:00:00	8.00	Đạt
K1201	CTR	1	2006-05-13 00:00:00	8.00	Đạt
K1201	THDC	1	2006-05-20 00:00:00	8.50	Đạt
K1202	CSDL	1	2006-07-20 00:00:00	8.00	Đạt
K1202	CTDLQT	1	2006-12-28 00:00:00	4.00	Không đạt
K1202	CTDLQT	2	2007-05-01 00:00:00	5.00	Đạt
K1202	CTR	1	2006-05-13 00:00:00	3.00	Không đạt
K1202	CTR	2	2006-05-20 00:00:00	4.00	Không đạt

Query executed successfully.

Ready

Ln 199 Col 1 Ch 1 INS

3. Bài tập 3

Sinh viên hoàn thành Phần II bài tập QuanLyBanHang từ câu 2 đến câu 5.

QuanLyBanHang.sql - DESKTOP-463NI94.QuanLyBanHang (DESKTOP-463NI94\Admin (68)) - Microsoft SQL Server Management Studio

```

SET GIA = 1.05 * GIA
WHERE NUOCSX = 'Thai Lan'

--CAU 4--
UPDATE SANPHAM1
SET GIA = 0.95 * GIA
WHERE NUOCSX = 'Trung Quoc' AND GIA <= 10000

SELECT *
FROM SANPHAM1

```

Results Messages

MASP	TENSP	DVT	NUOCSDK	GIA
BB01	But bi	cay	Viet Nam	5000.00
BB02	But bi	cay	Trung Quoc	6650.00
BB03	But bi	hop	Thai Lan	10500.00
BC01	But chi	cay	Singapore	3000.00
BC02	But chi	cay	Singapore	5000.00
BC03	But chi	cay	Viet Nam	3500.00
BC04	But chi	hop	Viet Nam	3000.00
ST01	So tay 500 trang	quyen	Trung Quoc	40000.00
ST02	So tay loi 1	quyen	Viet Nam	50000.00
ST03	So tay loi 2	quyen	Viet Nam	51000.00
ST04	So tay loi 3	quyen	Viet Nam	52000.00
ST05	So tay mong	quyen	Thai Lan	11025.00
ST06	Phan van bang	hop	Viet Nam	5000.00
ST07	Phan khong bu	hop	Viet Nam	7000.00
ST08	Bong bang	cai	Viet Nam	1000.00
ST09	But long	cay	Viet Nam	5000.00
ST10	But long	cay	Trung Quoc	6650.00
TV01	Tap 100 gaiy mong	quyen	Trung Quoc	2375.00
TV02	Tap 200 gaiy mong	quyen	Trung Quoc	4275.00
TV03	Tap 100 gaiy tot	quyen	Viet Nam	3000.00
TV04	Tap 200 gaiy tot	quyen	Viet Nam	5500.00
TV05	Tap 100 trang	chuc	Viet Nam	23000.00
TV06	Tap 200 trang	chuc	Viet Nam	53000.00
TV07	Tap 100 trang	chuc	Trung Quoc	34000.00

Query executed successfully.

QuanLyBanHang.sql - DESKTOP-463NI94.QuanLyBanHang (DESKTOP-463NI94\Admin (68)) - Microsoft SQL Server Management Studio

```

SET GIA = 1.05 * GIA
WHERE NUOCSX = 'Thai Lan'

--CAU 4--
UPDATE KHACHHANG1
SET GIA = 0.95 * GIA
WHERE NUOCSX = 'Trung Quoc' AND GIA <= 10000

SELECT *
FROM KHACHHANG1

```

Results Messages

MAKH	HOTEN	DCHI	SODT	NGSNH	NGDK	DOANHSO	LOAIKH
KH01	Nguyen Van A	731 Tran Hung Dao, Q5, TpHCM	08823451	1960-10-22 00:00:00	2006-07-22 00:00:00	13060000.00	Vip
KH02	Tran Ngoc Han	235 Nguyen Trai, Q5, TpHCM	0908256478	1974-04-03 00:00:00	2006-07-30 00:00:00	280000.00	NULL
KH03	Tran Ngoc Linh	45 Nguyen Canh Chan, Q1, TpHCM	0938776266	1980-06-12 00:00:00	2006-08-05 00:00:00	3860000.00	NULL
KH04	Tran Minh Long	50/34 Le Dai Hanh, Q10, TpHCM	0917325467	1965-03-09 00:00:00	2006-10-02 00:00:00	250000.00	NULL
KH05	Le Nhat Minh	34 Truong Dinh, Q3, TpHCM	08246108	1950-03-10 00:00:00	2006-10-28 00:00:00	21000.00	NULL
KH06	Le Hoai Thung	227 Nguyen Van Cu, Q5, TpHCM	08617287	1981-12-01 00:00:00	2006-10-24 00:00:00	915000.00	NULL
KH07	Pham Van Tam	12/12/12 Pham Van Tam, Q5, TpHCM	0908256565	1968-01-01 00:00:00	2006-12-12 00:00:00	1200000.00	NULL
KH08	Pham Thi Thanh	45/2 An Duong Vuong, Q5, TpHCM	0908436798	1971-01-10 00:00:00	2006-12-13 00:00:00	365000.00	NULL
KH09	Le Ha Vinh	873 Le Hong Phong, Q5, TpHCM	08554763	1979-09-03 00:00:00	2007-01-14 00:00:00	70000.00	NULL
KH10	Ha Day Lap	34/4B Nguyen Trai, Q1, TpHCM	08768904	1983-05-02 00:00:00	2007-01-16 00:00:00	67500.00	NULL

Query executed successfully.

4. Bài tập 4

Sinh viên hoàn thành Phần I bài tập QuanLyGiaoVu từ câu 11 đến câu 14.

Bài tập sử dụng câu lệnh, không có hình ảnh kết quả.

5. Bài tập 5

Sinh viên hoàn thành Phần III bài tập QuanLyBanHang từ câu 1 đến câu 11.

Câu 1

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left shows the database structure. The Query Editor window contains the following T-SQL code:

```
WHERE NUOCXK = 'Trung Quốc' AND GIA <= 10000
--CAU 5--
UPDATE KHACHHANG
SET LOAIKH = 'VIP'
WHERE (NGDK < '2007-01-01' AND DOANHSO >= 1000000)
OR (NGDK >= '2007-01-01' AND DOANHSO >= 2000000)

--PHAN III CAU 1 DEN CAU 11
--CAU 1
SELECT MASP, TENSP
FROM SANPHAM
WHERE NUOCXK = 'Trung Quốc'
```

The Results pane displays the output of the query:

MASP	TENSP
BB02	Bút bi
ST01	So tay 500 trang
ST10	Bút long
TV01	Tap 100 gey mong
TV02	Tap 200 gey mong
TV07	Tap 100 trang

Message bar: Query executed successfully.

Câu 2

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left shows the database structure. The Query Editor window contains the following T-SQL code:

```
WHERE NUOCXK = 'Trung Quốc' AND GIA <= 10000
--CAU 5--
UPDATE KHACHHANG
SET LOAIKH = 'VIP'
WHERE (NGDK < '2007-01-01' AND DOANHSO >= 1000000)
OR (NGDK >= '2007-01-01' AND DOANHSO >= 2000000)

--PHAN III CAU 1 DEN CAU 11
--CAU 1
SELECT MASP, TENSP
FROM SANPHAM
WHERE NUOCXK = 'Trung Quốc'

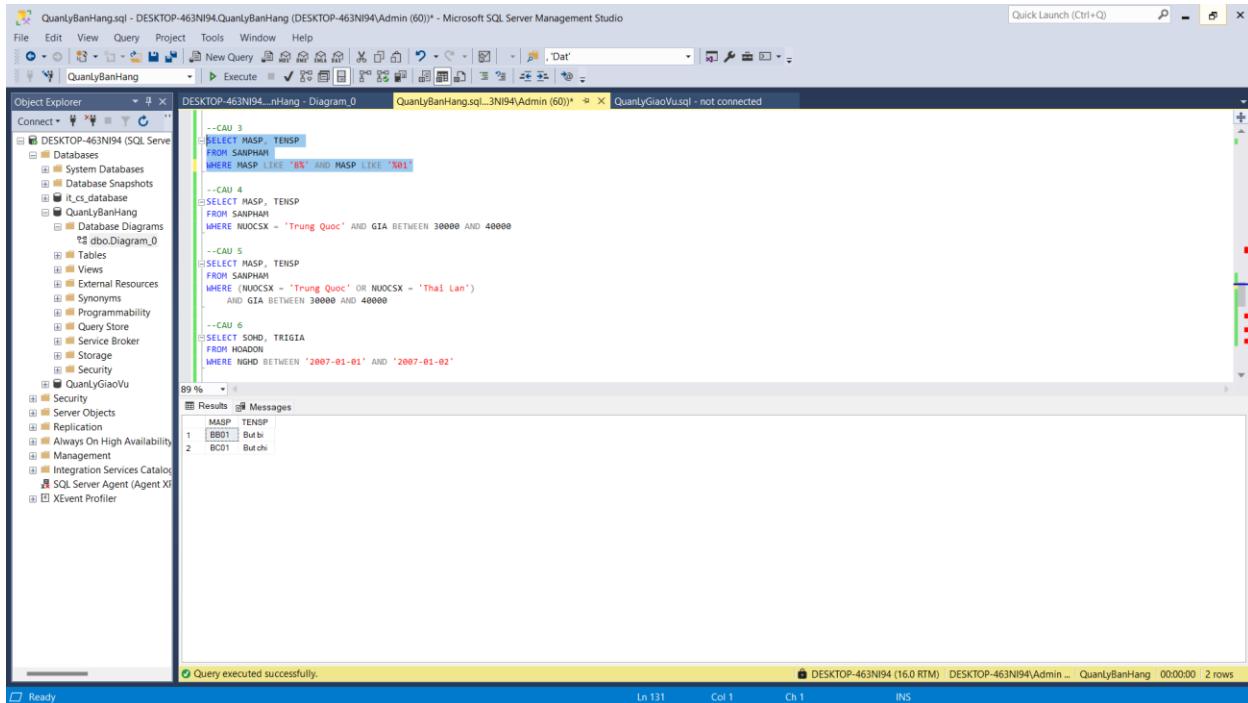
--CAU 2
SELECT MASP, TENSP
FROM SANPHAM
WHERE DVT = 'cây' or DVT = 'quyen'
```

The Results pane displays the output of the query:

MASP	TENSP
BB01	Bút bi
BB02	Bút bi
BC01	Bút chì
BC02	Bút chì
BC03	Bút chì
ST01	So tay 500 trang
ST02	So tay loai 1
ST03	So tay loai 2
ST04	So tay
ST05	So tay mong
ST09	Bút long
ST10	Bút long
TV01	Tap 100 gey mong
TV02	Tap 200 gey mong
TV03	Tap 100 gey lot
TV04	Tap 200 gey lot

Message bar: Query executed successfully.

Câu 3



```
--CAU 3
SELECT MASP, TENS
FROM SANPHAM
WHERE MASP LIKE 'BS' AND MASP LIKE 'S01'

--CAU 4
SELECT MASP, TENS
FROM SANPHAM
WHERE NUOCSX = 'Trung Quoc' AND GIA BETWEEN 30000 AND 40000

--CAU 5
SELECT MASP, TENS
FROM SANPHAM
WHERE (NUOCSX = 'Trung Quoc' OR NUOCSX = 'Thai Lan')
AND GIA BETWEEN 30000 AND 40000

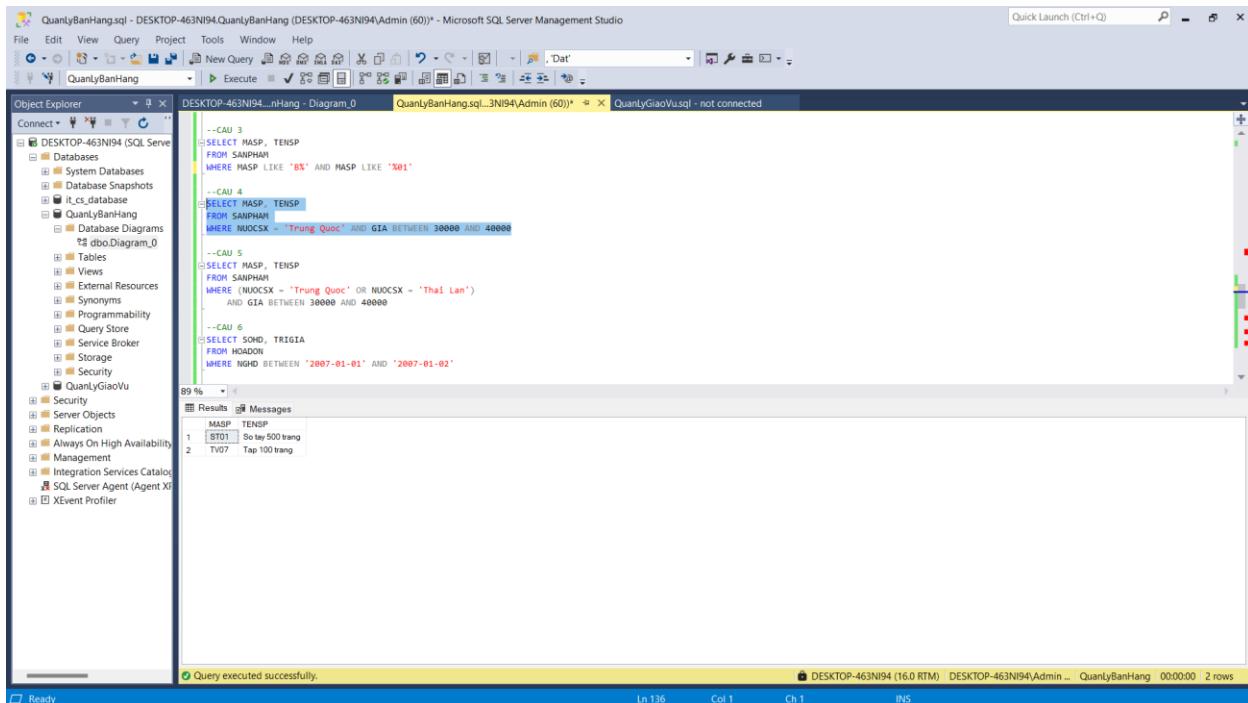
--CAU 6
SELECT SOHD, TRIGIA
FROM HOADON
WHERE NGHD BETWEEN '2007-01-01' AND '2007-01-02'
```

Results Messages

MASP	TENS
BB01	Bubi
BC01	Butchi

Query executed successfully.

Câu 4



```
--CAU 3
SELECT MASP, TENS
FROM SANPHAM
WHERE MASP LIKE 'BS' AND MASP LIKE 'S01'

--CAU 4
SELECT MASP, TENS
FROM SANPHAM
WHERE NUOCSX = 'Trung Quoc' AND GIA BETWEEN 30000 AND 40000

--CAU 5
SELECT MASP, TENS
FROM SANPHAM
WHERE (NUOCSX = 'Trung Quoc' OR NUOCSX = 'Thai Lan')
AND GIA BETWEEN 30000 AND 40000

--CAU 6
SELECT SOHD, TRIGIA
FROM HOADON
WHERE NGHD BETWEEN '2007-01-01' AND '2007-01-02'
```

Results Messages

MASP	TENS
STD01	Soy tap 500 trang
TV07	Tap 100 trang

Query executed successfully.

Câu 5

```
--CAU 3
SELECT MASP, TENSP
FROM SANPHAM
WHERE MASP LIKE 'B%' AND MASP LIKE '%01'

--CAU 4
SELECT MASP, TENSP
FROM SANPHAM
WHERE NUOCX = 'Trung Quoc' AND GIA BETWEEN 30000 AND 40000

--CAU 5
SELECT MASP, TENSP
FROM SANPHAM
WHERE NUOCX = 'Trung Quoc' OR NUOCX = 'Thai Lan'
AND GIA BETWEEN 30000 AND 40000

--CAU 6
SELECT SOHD, TRIGIA
FROM HOADON
WHERE NGHD BETWEEN '2007-01-01' AND '2007-01-02'

--CAU 7
SELECT SOHD, TRIGIA
FROM HOADON
WHERE YEAR(NGHD) = 2007 AND MONTH(NGHD) = 01
ORDER BY DAY(NGHD) ASC
```

MASP	TENSP
BB02	Bút bi
BB03	Bút bi
ST01	Số tay 500 trang
ST04	Số tay
ST05	Số tay mong
ST10	Số tay
TV01	Tape 200m x 10m
TV02	Tape 200m x 10m
TV07	Tape 100 trang

Query executed successfully.

Câu 6

```
--CAU 4
SELECT MASP, TENSP
FROM SANPHAM
WHERE NUOCX = 'Trung Quoc' AND GIA BETWEEN 30000 AND 40000

--CAU 5
SELECT MASP, TENSP
FROM SANPHAM
WHERE NUOCX = 'Trung Quoc' OR NUOCX = 'Thai Lan'
AND GIA BETWEEN 30000 AND 40000

--CAU 6
SELECT SOHD, TRIGIA
FROM HOADON
WHERE NGHD BETWEEN '2007-01-01' AND '2007-01-02'

--CAU 7
SELECT SOHD, TRIGIA
FROM HOADON
WHERE YEAR(NGHD) = 2007 AND MONTH(NGHD) = 01
ORDER BY DAY(NGHD) ASC
```

SOHD	TRIGIA
1015	910000.00
1016	125000.00
1017	35000.00

Query executed successfully.

Câu 7

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left shows the database structure for 'QuanlyBanHang'. The central pane displays a T-SQL script for Câu 7:

```
--CAU 7
SELECT SOHD, TRIGIA
FROM HOADON
WHERE YEAR(NGHD) = 2007 AND MONTH(NGHD) = 01
ORDER BY DAY(NGHD) ASC,
        TRIGIA DESC

--CAU 8
SELECT MAKH, HOTEN
FROM KHACHHANG JOIN HOADON
ON KHACHHANG.MAKH = HOADON.MAKH
WHERE NGHD = '2007-01-01'

--CAU 9
SELECT SOHD, TRIGIA
FROM HOADON JOIN NHANVIEN
ON HOADON.MANV = NHANVIEN.MANV
WHERE HOTEN = 'Nguyen Van B' AND NGHD = '2006-10-28'

--CAU 10
```

The Results tab shows the output of the first query:

SOHD	TRIGIA
1015	910000.00
1016	125000.00
1017	35000.00
1018	330000.00
1019	200000.00
1020	70000.00
1021	67500.00
1022	70000.00
1023	330000.00

A message at the bottom indicates: "Query executed successfully." and "9 rows".

Câu 8

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left shows the database structure for 'QuanlyBanHang'. The central pane displays a T-SQL script for Câu 8:

```
--CAU 7
SELECT SOHD, TRIGIA
FROM HOADON
WHERE YEAR(NGHD) = 2007 AND MONTH(NGHD) = 01
ORDER BY DAY(NGHD) ASC,
        TRIGIA DESC

--CAU 8
SELECT KHACHHANG.MAKH, HOTEN
FROM KHACHHANG JOIN HOADON
ON KHACHHANG.MAKH = HOADON.MAKH
WHERE NGHD = '2007-01-01'

--CAU 9
SELECT SOHD, TRIGIA
FROM HOADON JOIN NHANVIEN
ON HOADON.MANV = NHANVIEN.MANV
WHERE HOTEN = 'Nguyen Van B' AND NGHD = '2006-10-28'

--CAU 10
SELECT DISTINCT MASP, TENSP
FROM HOADON JOIN CTHD
```

The Results tab shows the output of the second query:

MAKH	HOTEN
KH06	Le Hoai Thuong
KH07	Nguyen Van Tam

A message at the bottom indicates: "Query executed successfully." and "2 rows".

Câu 9

```
--CAU 7
SELECT SOHD, TRIGIA
FROM HOADON
WHERE YEAR(NGHD) = 2007 AND MONTH(NGHD) = 01
ORDER BY DAY(NGHD) ASC,
TRIGIA DESC

--CAU 8
SELECT KHACHHANG.MAKH, HOTEN
FROM KHACHHANG JOIN HOADON
ON KHACHHANG.MAKH = HOADON.MAKH
WHERE NGHD = '2007-01-01'

--CAU 9
SELECT SOHD, TRIGIA
FROM HOADON JOIN NHANVIEN
ON HOADON.MANV = NHANVIEN.MANV
WHERE HOTEN = 'Nguyen Van B' AND NGHD > '2006-10-28'

--CAU 10
SELECT DISTINCT HASP, TENSIP
FROM HOADON JOIN CTHD
```

SOHD	TRIGIA
1007	5100000.00
1008	440000.00

Query executed successfully.

Câu 10

```
--CAU 10
SELECT DISTINCT CTHD.HASP, TENSIP
FROM HOADON JOIN CTHD
ON HOADON.SOHD = CTHD.SOHD
JOIN SANPHAM
ON CTHD.HASP = SANPHAM.HASP
JOIN KHACHHANG
ON HOADON.MAKH = KHACHHANG.MAKH
WHERE HOTEN = 'Nguyen Van A' AND MONTH(NGHD) = 10 AND YEAR(NGHD) > 2006

--CAU 11
SELECT SOHD
FROM HOADON JOIN CTHD
ON HOADON.SOHD = CTHD.SOHD
WHERE HASP = 'BB01' OR HASP = 'BB02'
```

HASP	TENSIP
ST01	Soy tay 500 trang
ST02	Soy tay lõi 1
ST04	Soy tay
TV05	Tap 100 trang
TV06	Tap 200 trang
TV07	Tap 100 trang

Query executed successfully.

Câu 11

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left shows the database structure for 'QuanLyBanHang'. The central pane displays a query window with the following T-SQL code:

```
FROM HOADON JOIN NHANVIEN  
ON HOADON.MANV = NHANVIEN.MANV  
WHERE HOTEN = 'Nguyen Van B' AND NGHD = '2006-10-28'  
-- CAU 10  
SELECT DISTINCT CTHD.MASP, TENSPI  
FROM HOADON JOIN CTHD  
ON HOADON.SOHO = CTHD.SOHO  
JOIN SANPHAM  
ON CTHD.MASP = SANPHAM.MASP  
JOIN KHACHHANG  
ON HOADON.MAKH = KHACHHANG.MAKH  
WHERE HOTEN = 'Nguyen Van A' AND MONTH(NGHD) = 10 AND YEAR(NGHD) = 2006  
-- CAU 11  
SELECT HOADON.SOHO  
FROM HOADON JOIN CTHD  
ON HOADON.SOHO = CTHD.SOHO  
WHERE MASP = 'BB01' OR MASP = 'BB02'
```

The results pane shows the output of the last SELECT statement:

SOHO
1002
2002
1014
4014
5015

At the bottom, a message indicates: "Query executed successfully."

6. Bài tập 6

Sinh viên hoàn thành Phần III bài tập QuanLyGiaoVu từ câu 1 đến câu 5.

Câu 1

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left shows the database structure for 'QuanLyGiaoVu'. The central pane displays a query window with the following T-SQL code:

```
ALTER TABLE GIANGDAY ADD CONSTRAINT CHK_TD_DN  
CHECK (DENNGAY > TUNGAY)  
-- CAU 13  
ALTER TABLE GIAOVIEU ADD CONSTRAINT CHK_GV_NGS  
CHECK (YEAR(NGLV) - YEAR(NGSINH) >= 18)  
-- CAU 14  
ALTER TABLE MONHOC ADD CONSTRAINT CHK_TC  
CHECK (ABS(TCLT - TCH) <= 3)  
-- PHAN III CAU 1 DEN CAU 5  
-- CAU 1  
SELECT MAHV, HO, TEN, NGSINH, LOP, MALOP  
FROM LOP JOIN HOCVIEN  
ON LOP.TRGLOP = HOCVIEN.MAHV
```

The results pane shows the output of the last SELECT statement:

MAHV	HO	TEN	NGSINH	LOP	MALOP
K1108	Nguyen Manh	Tam	1986-02-27 00:00:00	K11	
K1205	Nguyen Thanh	Nam	1986-04-17 00:00:00	K12	
K1305	Le Thi	Huong	1986-03-27 00:00:00	K13	

At the bottom, a message indicates: "Query executed successfully."

Câu 2

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left shows the database structure for 'QuanLyGiaoVu'. The central pane displays a query window with the following T-SQL code:

```
--BAT TAP 6
--PHAN III CAU 1 DEN CAU 5
--CAU 1
SELECT MAHV, HO, TEN, NGISINH, LOP, MALOP
FROM LOP JOIN HOCVIEN
ON LOP.TRGLOP = HOCVIEN.MAHV

--CAU 2
SELECT KETQUATHI.MAHV, HO, TEN, LANHTHI, DIEM
FROM KETQUATHI JOIN HOCVIEN
ON KETQUATHI.MAHV = HOCVIEN.MAHV
WHERE MAHV = 'CTR' AND MALOP = 'K12'
ORDER BY TEN, HO

--CAU 3
SELECT KETQUATHI.MAHV, HO, TEN, KETQUATHI.MAHV, TENBVH
FROM KETQUATHI JOIN HOCVIEN
ON KETQUATHI.MAHV = HOCVIEN.MAHV
JOIN MONHC
ON KETQUATHI.MAHV = MONHC.MAHV
```

The Results tab shows the output of the second query:

MAHV	HO	TEN	LANHTHI	DIEM
K1201	Nguyen Van	B	1	9.00
K1202	Nguyen Thi Kim	Duyen	1	3.00
K1202	Nguyen Thi Kim	Duyen	2	4.00
K1202	Nguyen Thi Kim	Duyen	3	6.25
K1203	Tran Thi Kim	Duyen	1	10.00
K1204	Truong My	Hanh	1	6.00

At the bottom, a message indicates "Query executed successfully." and shows the status bar with "DESKTOP-463N194 (16.0 RTM) DESKTOP-463N194\Admin ... QuanLyGiaoVu 00:00:00 | 6 rows".

Câu 3

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left shows the database structure for 'QuanLyGiaoVu'. The central pane displays a query window with the following T-SQL code:

```
MAHV HO TEN MAMH TENMH
K1101 Nguyen Van A CSDL Co so du lieu
K1101 Nguyen Van A CTDLGT Cau truc du lieu va giao thuat
K1101 Nguyen Van A CTRR Cau truc roi rac
K1102 Tran Ngoc Han CTRR Tin hoc dai cuong
K1102 Tran Ngoc Han THDC Cau truc roi rac
K1103 Hu Duy Lap CTDLGT Cau truc du lieu va giao thuat
K1103 Hu Duy Lap CTRR Cau truc roi rac
K1201 Nguyen Van B CSDL Co so du lieu
K1201 Nguyen Van B CTDLGT Cau truc du lieu va giao thuat
K1201 Nguyen Van B CTRR Cau truc roi rac
K1201 Nguyen Van B THDC Tin hoc dai cuong
K1202 Nguyen Thi Kim Duyen CSDL Co so du lieu
K1203 Tran Thi Kim Duyen CSDL Co so du lieu
K1203 Tran Thi Kim Duyen CTDLGT Cau truc du lieu va giao thuat
K1203 Tran Thi Kim Duyen CTRR Cau truc roi rac
K1203 Tran Thi Kim Duyen THDC Tin hoc dai cuong
K1204 Truong My Han CSDL Co so du lieu
K1204 Truong My Han CTDLGT Cau truc du lieu va giao thuat
K1204 Truong My Han CTRR Cau truc roi rac
K1204 Truong My Han THDC Tin hoc dai cuong
K1301 Nguyen Thi Kim Cuc CSDL Co so du lieu
K1301 Nguyen Thi Kim Cuc CTDLGT Cau truc du lieu va giao thuat
K1301 Nguyen Thi Kim Cuc CTRR Cau truc roi rac
K1301 Nguyen Thi Kim Cuc THDC Tin hoc dai cuong
K1302 Tran Thi My Han CSDL Co so du lieu
K1302 Tran Thi My Han CTDLGT Cau truc du lieu va giao thuat
K1302 Tran Thi My Han CTRR Cau truc roi rac
K1302 Tran Thi My Han THDC Tin hoc dai cuong
K1304 Le Quang Hien CSDL Co so du lieu
K1304 Le Quang Hien CTDLGT Cau truc du lieu va giao thuat
K1304 Le Quang Hien CTRR Cau truc roi rac
K1304 Le Quang Hien THDC Tin hoc dai cuong
K1305 Le Thi Hieu CSDL Co so du lieu
K1305 Le Thi Hieu CTDLGT Cau truc du lieu va giao thuat
K1305 Le Thi Hieu CTRR Cau truc roi rac
K1305 Le Thi Hieu THDC Tin hoc dai cuong
```

The Results tab shows the output of the third query:

MAHV	HO	TEN	MAMH	TENMH
K1101	Nguyen Van	A	CSDL	Co so du lieu
K1101	Nguyen Van	A	CTDLGT	Cau truc du lieu va giao thuat
K1101	Nguyen Van	A	CTR	Cau truc roi rac
K1102	Tran Ngoc	Han	CTR	Tin hoc dai cuong
K1102	Tran Ngoc	Han	THDC	Cau truc roi rac
K1103	Hu Duy	Lap	CTDLGT	Cau truc du lieu va giao thuat
K1103	Hu Duy	Lap	CTR	Cau truc roi rac
K1201	Nguyen Van	B	CSDL	Co so du lieu
K1201	Nguyen Van	B	CTDLGT	Cau truc du lieu va giao thuat
K1201	Nguyen Van	B	CTR	Cau truc roi rac
K1201	Nguyen Van	B	THDC	Tin hoc dai cuong
K1202	Nguyen Thi Kim	Duyen	CSDL	Co so du lieu
K1203	Tran Thi Kim	Duyen	CSDL	Co so du lieu
K1203	Tran Thi Kim	Duyen	CTDLGT	Cau truc du lieu va giao thuat
K1203	Tran Thi Kim	Duyen	CTR	Cau truc roi rac
K1203	Tran Thi Kim	Duyen	THDC	Tin hoc dai cuong
K1204	Truong My	Hanh	CSDL	Co so du lieu
K1204	Truong My	Hanh	CTDLGT	Cau truc du lieu va giao thuat
K1204	Truong My	Hanh	CTR	Cau truc roi rac
K1204	Truong My	Hanh	THDC	Tin hoc dai cuong
K1301	Nguyen Thi Kim	Cuc	CTDLGT	Cau truc du lieu va giao thuat
K1301	Nguyen Thi Kim	Cuc	CTR	Cau truc roi rac
K1301	Nguyen Thi Kim	Cuc	THDC	Tin hoc dai cuong
K1302	Tran Thi My	Hien	CSDL	Co so du lieu
K1302	Tran Thi My	Hien	CTDLGT	Cau truc du lieu va giao thuat
K1302	Tran Thi My	Hien	CTR	Cau truc roi rac
K1302	Tran Thi My	Hien	THDC	Tin hoc dai cuong
K1304	Le Quang	Hien	CSDL	Co so du lieu
K1304	Le Quang	Hien	CTDLGT	Cau truc du lieu va giao thuat
K1304	Le Quang	Hien	CTR	Cau truc roi rac
K1304	Le Quang	Hien	THDC	Tin hoc dai cuong
K1305	Le Thi	Hieu	CSDL	Co so du lieu
K1305	Le Thi	Hieu	CTDLGT	Cau truc du lieu va giao thuat
K1305	Le Thi	Hieu	CTR	Cau truc roi rac
K1305	Le Thi	Hieu	THDC	Tin hoc dai cuong

At the bottom, a message indicates "Query executed successfully." and shows the status bar with "DESKTOP-463N194 (16.0 RTM) DESKTOP-463N194\Admin ... QuanLyGiaoVu 00:00:00 | 36 rows".

Câu 4

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left shows the database structure for 'QuanLyGiaoVu'. The central pane displays two T-SQL queries labeled 'CAU 4' and 'CAU 5'. The results pane shows the output for 'CAU 4', which contains one row: K1104, Tran Ngoc Linh. A message at the bottom indicates 'Query executed successfully.'

```
--CAU 4
SELECT KETQUATHI.MAHV , HO , TEN
FROM KETQUATHI JOIN HOCVIEN
ON KETQUATHI.MAHV = HOCVIEN.MAHV
WHERE MALOP = 'K11' AND MAHV = 'CTR' AND KQUA = 'Khong Dat' AND LANTHI = 1

--CAU 5
SELECT KETQUATHI.MAHV , HO , TEN
FROM KETQUATHI JOIN HOCVIEN
ON KETQUATHI.MAHV = HOCVIEN.MAHV
WHERE MAHV = 'CTR' AND KQUA = 'Khong Dat'
```

Câu 5

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left shows the database structure for 'QuanLyGiaoVu'. The central pane displays two T-SQL queries labeled 'CAU 4' and 'CAU 5'. The results pane shows the output for 'CAU 5', which contains six rows of data from the HOCVIEN table. A message at the bottom indicates 'Query executed successfully.'

```
--CAU 4
SELECT KETQUATHI.MAHV , HO , TEN
FROM KETQUATHI JOIN HOCVIEN
ON KETQUATHI.MAHV = HOCVIEN.MAHV
WHERE MALOP = 'K11' AND MAHV = 'CTR' AND KQUA = 'Khong Dat' AND LANTHI = 1

--CAU 5
SELECT KETQUATHI.MAHV , HO , TEN
FROM KETQUATHI JOIN HOCVIEN
ON KETQUATHI.MAHV = HOCVIEN.MAHV
WHERE MAHV = 'CTR' AND KQUA = 'Khong Dat'
```