## BÀI THỰC HÀNH SỐ 2.

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### TÓM TẮT NỘI DUNG THỰC HÀNH

Sinh viên tìm hiểu việc thiết lập kết nối giữa các cơ sở dữ liệu Oracle qua sự hướng dẫn của giảng viên thực hành. Trong đó, các kiến thức cần lưu ý bao gồm:

- o Database link là gì?
- o Các loại database link
- o Cú pháp tạo, xóa database link.

Keywords: Database Link, Oracle, Role, Grant, Connect, ...

NỘI DUNG THỰC HÀNH

### 1. DDL

### Tại chi nhánh 1

```
ALTER USER CN1 QUOTA UNLIMITED ON USERS;
ALTER SESSION SET NLS_DATE_FORMAT = 'DD/MM/YY HH24:MI:SS';
CREATE TABLE CN1.SACH
    MaSach VARCHAR2(5) CONSTRAINT PK_SACH PRIMARY KEY,
    TenSach VARCHAR2(50),
    NgayXB DATE,
    TacGia VARCHAR2(50),
    GiaTien INT,
NhaXuatBan VARCHAR2(20),
    LanIn NUMBER
CREATE TABLE CN1.CHINHANH
    MaChiNhanh VARCHAR2(4) CONSTRAINT PK_CHINHANH PRIMARY KEY,
    TenChiNhanh VARCHAR2(50),
    SoDT VARCHAR2(12)
);
CREATE TABLE CN1.KHOSACH_QLKHO
    MaChiNhanh VARCHAR2(4),
    MaSach VARCHAR2(5),
     SoLuong NUMBER,
    NgayCapNhat DATE,
     CONSTRAINT PK_KS_QLK PRIMARY KEY (MaChiNhanh, MaSach)
CREATE TABLE CN1.KHOSACH_NVBH (
    MaChiNhanh VARCHAR(4),
    MaSach VARCHAR(5),
    TinhTrang VARCHAR (10),
    KhuyenMai NUMBER
     CONSTRAINT PK_KHOSACH_NVBH PRIMARY KEY(MaChiNhanh, MaSach)
);
CREATE TABLE CN1.NHANVIEN (
     Manv varchar(4) constraint PK_NV PRIMARY KEY,
     TenNV VARCHAR(50),
     DiaChi VARCHAR(30),
     SoDT VARCHAR(20),
     Luong NUMBER,
     MaChiNhanh VARCHAR(4)
);
ALTER TABLE CN1.KHOSACH_NVBH ADD CONSTRAINT FK_NVBH_CN FOREIGN KEY (MaChiNhanh) REFERENCES CN1.CHINHANH(MaChiNhanh);
ALTER TABLE CN1.KHOSACH_NVBH ADD CONSTRAINT FK_NVBH_MS FOREIGN KEY (MaSach) REFERENCES CN1.SACH(MaSach);
ALTER TABLE CN1.NHANVIEN ADD CONSTRAINT FK_NV_CN FOREIGN KEY (MaChiNhanh) REFERENCES CN1.CHINHANH(MaChiNhanh);
```

### Tại chi nhánh 2

```
ALTER USER CN2 QUOTA UNLIMITED ON USERS;
ALTER SESSION SET NLS DATE FORMAT = 'DD/MM/YY HH24:MI:SS';
CREATE TABLE CN2.SACH
    MaSach VARCHAR2(5) CONSTRAINT PK_SACH PRIMARY KEY,
    TenSach VARCHAR2(50),
    NgayXB DATE,
    TacGia VARCHAR2(50),
    GiaTien INT,
    NhaXuatBan VARCHAR2(20),
    LanIn NUMBER
);
CREATE TABLE CN2.CHINHANH
    MaChiNhanh VARCHAR2(4) CONSTRAINT PK_CHINHANH PRIMARY KEY,
    TenChiNhanh VARCHAR2(50),
    SoDT VARCHAR2(12)
);
CREATE TABLE CN2.KHOSACH_QLKHO
    MaChiNhanh VARCHAR2(4),
    MaSach VARCHAR2(5),
    SoLuong NUMBER,
    NgayCapNhat DATE,
    CONSTRAINT PK_KS_QLK PRIMARY KEY (MaChiNhanh, MaSach)
);
CREATE TABLE CN2.KHOSACH_NVBH (
    MaChiNhanh VARCHAR(4),
    MaSach VARCHAR(5),
    TinhTrang VARCHAR (10),
    KhuyenMai NUMBER,
     CONSTRAINT PK_KHOSACH_NVBH PRIMARY KEY(MaChiNhanh, MaSach)
);
CREATE TABLE CN2.NHANVIEN (
    Manv varchar(4) constraint PK NV PRIMARY KEY,
    TenNV VARCHAR(50),
    DiaChi VARCHAR(30),
    SoDT VARCHAR(20),
    Luong NUMBER,
    MaChiNhanh VARCHAR(4)
);
-- khoa ngoai
ALTER TABLE CN2.KHOSACH_NVBH ADD CONSTRAINT FK_NVBH_CN FOREIGN KEY (MaChiNhanh) REFERENCES CN2.CHINHANH(MaChiNhanh);
ALTER TABLE CN2.KHOSACH_NVBH ADD CONSTRAINT FK_NVBH_MS FOREIGN KEY (MaSach) REFERENCES CN2.SACH(MaSach);
ALTER TABLE CN2.NHANVIEN ADD CONSTRAINT FK_NV_CN FOREIGN KEY (MaChiNhanh) REFERENCES CN2.CHINHANH(MaChiNhanh);
```

## 2. SIX QUERIES

### Tại chi nhánh 1:

### Database link tại chi nhánh 1:

```
SQL> create public database link cn2_link connect to cn1 identified by cn1 using 'CN2';

Database link created.

SQL> create public database link cn2_link_giamdoc connect to GiamDoc identified by giamdoc using 'CN2';

Database link created.

SQL> create public database link cn2_link_nhanvien connect to NhanVien identified by nhanvien using 'CN2';

Database link created.
```

### Query 1:

```
SQL> conn NhanVien/nhanvien;
Connected.
SQL> SELECT MACHINHANH, NVBHI.MASACH, TENSACH FROM CNI.KHOSACH_NVBH NVBHI, CNI.SACH SI WHERE NVBHI.MASACH = SI.MASACH AND TINHTRANG = 'Het Hang'
2 UNION
3 SELECT MACHINHANH, NVBHZ.MASACH, TENSACH FROM CNZ.KHOSACH_NVBH@cnZ_link_nhanvien2 NVBHZ, CNZ.SACH@cnZ_link_nhanvien2 SZ WHERE NVBHZ.MASACH = SZ.MASACH AND TINHTRANG = 'Het Hang';
SELECT MACHINHANH, NVBHZ.MASACH, TENSACH FROM CNZ.KHOSACH_NVBH@cnZ_link_nhanvien2 NVBHZ, CNZ.SACH@cnZ_link_nhanvien2 SZ WHERE NVBHZ.MASACH = SZ.MASACH AND TINHTRANG = 'Het Hang'
SEROR at line 3:
ORA-02019: connection description for remote database not found

SQL> SELECT MACHINHANH, NVBHI.MASACH, TENSACH FROM CNI.KHOSACH_NVBH NVBHI, CNI.SACH SI WHERE NVBHI.MASACH = SI.MASACH AND TINHTRANG = 'Het Hang'
2 UNION
3 SELECT MACHINHANH, NVBHZ.MASACH, TENSACH FROM CNZ.KHOSACH_NVBH@cnZ_link_nhanvien NVBHZ, CNZ.SACH@cnZ_link_nhanvien SZ WHERE NVBHZ.MASACH = SZ.MASACH AND TINHTRANG = 'Het Hang';
MACH MASAC TENSACH
CNS BOOKL S.S. FRAILY T.6
CNS BOOKL S.S. FRAILY T.6 L
```

### Query 2:

### Query 3:

SQL> SELECT TENSACH, NGAYXB, TACGIA 2 FROM CN1.SACH S1 JOIN CN1.KHOS 3 WHERE NHAXUATBAN = 'Kim Dong'	ACH_QLKHO QL1 ON S1.MASACH=Q	
TENSACH	NGAYXB	
TACGIA	GIATIEN	SOLUONG
LANIN NGAYCAPNH		
SpyxFamily T.6	29-0CT-21	
Endou Tatsuya	25000	0
1 29-OCT-21		
One Piece 90	11-0CT-21	
Eiichiro Oda	19500	100
2 30-OCT-21		
TENSACH	NGAYXB	
TACGIA	GIATIEN	SOLUONG
LANIN NGAYCAPNH		

### Query 4:

```
SQL > connect GiamDoc/giamdoc;
connected.
SQL> SELECT SI.MASACH, SI.TENSACH FROM CNI.SACH SI JOIN CNI.KHOSACH_NVBH NVBHI ON SI.MASACH = NVBHI.MASACH AND NVBHI.TINHTRANG = 'Con Hang'
2 INTERSECT
3 SELECT SZ.MASACH, SZ.TENSACH FROM CNZ.SACH@cnz_link_giamdoc SZ JOIN CNZ.KHOSACH_NVBH@cnz_link_giamdoc NVBHZ ON SZ.MASACH = NVBHZ.MASACH AND NVBHZ.TINHTRANG = 'Con Hang';
MASAC TENSACH
800KS One Plece 90
```

#### Query 5:

```
SQL> SELECT QL1.MASACH FROM CN1.KHOSACH_QLKHO QL1
2 INTERSECT
3 SELECT QL2.MASACH FROM CN2.KHOSACH_QLKHO@cn2_link_giamdoc QL2;

MASAC
----
Book1
Book5
```

### Tại chi nhánh 2:

### Database link tại chi nhánh 2:

```
SQL> create public database link cn1_link connect to cn2 identified by cn2 using 'CN1';

Database link created.

SQL> create public database link cn1_link_nhanvien connect to NhanVien identified by nhanvien using 'CN1';

Database link created.
```

### Query 6:

```
SQL> conn NhanVien/nhanvien;
Connected.
SQL> SELECT S.MASACH, TENSACH, MAX(KHUYENMAI), COUNT(MACHINHANH)
2 FROM (SELECT MACHINHANH, NVBH2.MASACH, TENSACH, KHUYENMAI
              FROM CN2.SACH S2, CN2.KHOSACH_NVBH NVBH2
WHERE S2.MASACH = NVBH2.MASACH AND NHAXUATBAN = 'Kim Dong'
              UNION
              SELECT MACHINHANH, NVBH1.MASACH, TENSACH, KHUYENMAI
FROM CN1.SACH@cn1_link_nhanvien S1, CN1.KHOSACH_NVBH@cn1_link_nhanvien NVBH1
              WHERE S1.MASACH = NVBH1.MASACH AND NHAXUATBAN = 'Kim Dong') S
     GROUP BY S.MASACH, TENSACH;
MASAC TENSACH
                                                                             MAX(KHUYENMAI)
COUNT (MACHINHANH)
Book1 SpyxFamily T.6
                                                                                             10
Book5 One Piece 90
                                                                                              20
Book2 S. Family T.6 L
```

# 3. KIÉN TRÚC PHÂN MẢNH

### Tại chi nhánh 1:

- SACH
- CN1.CHINHANH =  $\delta_{\text{(MaChiNhanh = 'CN1')}}$  CHINHANH
- CN1.KHOSACH = KHOSACH ⋈ MaChiNhanhCN1.CHINHANH
- CN1.KHOSACH tách thành:
  - + CN1.KHOSACH\_QLKHO (MaChiNhanh, MaSach, SoLuong, NgayCapNhat)
  - + CN1.KHOSACH\_NVBH (MaChiNhanh, MaSach, TinhTrang, KhuyenMai)
- CN1.NHANVIEN = NHANVIEN ⋈ MaChiNhanh CN1. CHINHANH

### Tại chi nhánh 2:

- SACH
- CN2.CHINHANH =  $\delta_{\text{(MaChiNhanh = 'CN2')}}$  CHINHANH
- CN2.KHOSACH = KHOSACH ⋈ MaChiNhanh CN2.CHINHANH
- CN2.KHOSACH tách thành:
  - + CN2.KHOSACH\_QLKHO (MaChiNhanh, MaSach, SoLuong, NgayCapNhat)
  - + CN2.KHOSACH\_NVBH (MaChiNhanh, MaSach, TinhTrang, KhuyenMai)
- CN2.NHANVIEN = NHANVIEN ⋈ MaChiNhanh CN2.CHINHANH

# 4. KIẾN TRÚC PHÂN QUYỀN

### Tại chi nhánh 1:

#### User cn1:

```
SQL> alter session set "_ORACLE_SCRIPT" = true;

Session altered.

SQL> create user cn1 identified by cn1;

User created.

SQL> grant connect, dba to cn1;

Grant succeeded.
```

#### User GiamDoc

```
SQL> create user GiamDoc identified by giamdoc;

User created.

SQL> grant connect to GiamDoc;

Grant succeeded.

SQL> grant select on CN1.SACH to GiamDoc;

Grant succeeded.

SQL> grant select on CN1.CHINHANH to GiamDoc;

Grant succeeded.

SQL> grant select on CN1.KHOSACH_QLKHO to GiamDoc;

Grant succeeded.

SQL> grant select on CN1.KHOSACH_NVBH to GiamDoc;

Grant succeeded.

SQL> grant select on CN1.NHANVIEN to GiamDoc;

Grant succeeded.

SQL> grant select on CN1.NHANVIEN to GiamDoc;

Grant succeeded.
```

### User QuanLyKho

```
SQL> create user QuanLyKho identified by quanlykho;
User created.

SQL> grant connect to QuanLyKho;
Grant succeeded.

SQL> grant select on CN1.SACH to QuanLyKho;
Grant succeeded.

SQL> grant select on CN1.KHOSACH_QLKHO to QuanLyKho;
Grant succeeded.
```

#### User NhanVien

```
SQL> create user NhanVien identified by nhanvien;
User created.

SQL> grant connect to NhanVien;
Grant succeeded.

SQL> grant select on CN1.SACH to NhanVien;
Grant succeeded.

SQL> grant select on CN1.KHOSACH_NVBH to NhanVien;
Grant succeeded.
```

#### User cn2

```
SQL> create user cn2 identified by cn2;
User created.

SQL> grant connect to cn2;
Grant succeeded.

SQL> grant select on cn1.SACH to cn2;
Grant succeeded.

SQL> grant select on cn1.CHINHANH to cn2;
Grant succeeded.

SQL> grant select on cn1.KHOSACH_QLKHO to cn2;
Grant succeeded.

SQL> grant select on cn1.KHOSACH_NVBH to cn2;
Grant succeeded.

SQL> grant select on cn1.KHOSACH_NVBH to cn2;
Grant succeeded.

SQL> grant select on cn1.NHANVIEN to cn2;
```

### Tại chi nhánh 2:

### User cn2:

```
SQL> alter session set "_ORACLE_SCRIPT"=true;
Session altered.

SQL> create user cn2 identified by cn2;
User created.

SQL> grant connect, dba to cn2;

Grant succeeded.
```

#### User GiamDoc

```
SQL> create user GiamDoc identified by giamdoc;
User created.

SQL> grant select on cn2.sach to GiamDoc;
Grant succeeded.

SQL> grant select on cn2.chinhanh to GiamDoc;
Grant succeeded.

SQL> grant select on cn2.khosach_qlkho to GiamDoc;
Grant succeeded.

SQL> grant select on cn2.khosach_nvbh to GiamDoc;
Grant succeeded.

SQL> grant select on cn2.khosach_nvbh to GiamDoc;
Grant succeeded.

SQL> grant select on cn2.nhanvien to GiamDoc;
Grant succeeded.

SQL> grant connect to GiamDoc;
Grant succeeded.
```

### User QuanLyKho

```
SQL> create user QuanLyKho identified by quanlykho;

User created.

SQL> grant select on cn2.sach to QuanLyKho;

Grant succeeded.

SQL> grant select on cn2.khosach_qlkho to QuanLyKho;

Grant succeeded.

SQL> grant connect to QuanLyKho;

Grant succeeded.
```

### User NhanVien

```
SQL> create user NhanVien identified by nhanvien;
User created.

SQL> grant select on cn2.sach to NhanVien;
Grant succeeded.

SQL> grant select on cn2.khosach_nvbh to NhanVien;
Grant succeeded.

SQL> grant connect to NhanVien;
Grant succeeded.
```

### User cn1

```
SQL> create user cn1 identified by cn1;
Play video

User created.

SQL> grant select on cn2.sach to cn1;
Grant succeeded.

SQL> grant select on cn2.chinhanh to cn1;
Grant succeeded.

SQL> grant select on cn2.khosach_qlkho to cn1;
Grant succeeded.

SQL> grant select on cn2.khosach_nvbh to cn1;
Grant succeeded.

SQL> grant select on cn2.khosach_nvbh to cn1;
Grant succeeded.

SQL> grant select on cn2.nhanvien to cn1;
Grant succeeded.

SQL> grant connect to cn1;
Grant succeeded.
```

# 5. MÔI TRƯỜNG ẢO (VIRTUAL BOX)

# a. Tổ chức dữ liệu ở máy 1

## Bång cn1.SACH

MASAC TENSACH		NGAYXB
TACGIA		GIATIEN
NHAXUATBAN	LANIN	
Book1 SpyxFamily T.6 Endou Tatsuya Kim Dong	1	29-0CT-21 25000
Book2 S. Family T.6 L Endou Tatsuya Kim Dong	1	29-0CT-21 45000
MASAC TENSACH		NGAYXB
TACGIA		GIATIEN
NHAXUATBAN	LANIN	

Book3 Th.L?ng B.H Agatha Christie Tre	i	120000
Book4 Black Jack 3 Osamu Tezuka MASAC TENSACH		25-OCT-21 30000 NGAYXB
TACGIA		GIATIEN
NHAXUATBAN	LANIN	
	1	
Book5 One Piece 90 Eiichiro Oda Kim Dong	2	11-0CT-21 19500

### Bång cn1.CHINHANH

SQL>	select * from cn1.chinhanh union select * from cn2.	chinhanh@cn2;
MACH	TENCHINHANH	SODT
		0939013914 0907979815

### Bång cn1.KHOSACH\_QLKHO

## Bång cn1.KHOSACH\_NVBH

## Bång cn1.NHANVIEN

DIACHI	SODT	LUONG	MACH
NV01 Nguyen Thi Thuy Nga Dak Lak	0943058578	4900000	CNØ2
NV02 Le Huynh Lan Ha An Giang	0823664648	4900000	CNØ2
NVØ3 Ho Trong Khang Binh Dinh	0858595208	5200000	CNØ1
MANU TENNU			
DIACHI	SODT	LUONG	MACH
NVØ4 Ho Huu Thang Bien Hoa		5200000	CNØ1
NV05 Phan Pham Quynh Hoa		*,	

# b. Tổ chức dữ liệu ở máy 2

# Bång cn2.SACH

MASAC TENSACH		NGAYXB
ACGIA		GIATIEN
HAXUATBAN	LANIN	
Gook1 SpyxFamily T.6 Godou Tatsuya Kim Dong	1	29-0CT-21 25000
Book2 S. Family T.6 L Endou Tatsuya Kim Dong	1	29-0CT-21 45 <i>0</i> 00
MASAC TENSACH		NGAYXB
ACGIA		GIATIEN
HAXUATBAN	LANIN	

Book3 Th.L?ng B.H Agatha Christie Tre	i	120000
Book4 Black Jack 3 Osamu Tezuka		25-0CT-21 30000
MASAC TENSACH		NGAYXB
TACGIA		GIATIEN
NHAXUATBAN	LANIN	
Tre	1	
Book5 One Piece 90 Eiichiro Oda		11-0CT-21 19500
Kim Dong	2	17500

## Bång cn2.CHINHANH

SQL> select * from cn2.chinhanh;	
MACH TENCHINHANH	SODT
CNO2 Quan Hoang Kiem, Ha Noi	0907979815

# Bång cn2.KHOSACH\_QLKHO

SQL>	select	* from kh	osach_qlkho;
MACH	MASAC	SOLUONG	NGAYCAPNH
CNØ2	Book1	500	29-0CT-21
CNØ2	Book2	Ø	29-OCT-21
<b>CNØ2</b>	Book4	180	30-0CT-21
<b>CNØ2</b>	Book5	187	30-0CT-21

## Bång cn2.KHOSACH\_NVBH

SQL>	select	* from	khosach_nvbh;
MACH	MASAC	TINHTRAN	G KHUYENMAI
		Con Hang	
CNØ2	Book2	Het Hang	Ø
		Con Hang	
CNØ2	Book5	Con Hang	15

# Bång cn2.NHANVIEN

SQL> select * from cn2.nhanvien; MANU TENNU			
DIACHI	SODT	LUONG	MACH
NV01 Nguyen Thi Thuy Nga Dak Lak	0943058578	4900000	CNØ2
NV02 Le Huynh Lan Ha An Giang	0823664648	4900000	CNØ2
NVOS Phan Pham Quynh Hoa Binh Thuan		4900000	CNØ2

# 6. MÔI TRƯỜNG THẬT (RADMIN VPN)

# a. $\vec{\text{Tổ}}$ chức dữ liệu ở chi nhánh 1

## Bång cn1.SACH

SQL> connect cn1/cn1 Connected.		
SQL> select *from cn1.s MASAC TENSACH	acn;	NGAYXB
TACGIA		GIATIEN
NHAXUATBAN	LANIN	
Book1 SpyxFamily T.6		29-0CT-21
Endou Tatsuya		25000
Kim Dong	1	
Book2 S. Family T.6 L		29-OCT-21
Endou Tatsuya		45000
Kim Dong	1	
MASAC TENSACH		NGAYXB
TACGIA		GIATIEN
NHAXUATBAN	LANIN	
Book3 Th.L?ng B.H		
Agatha Christie Tre	1	120000
	-	
Book4 Black Jack 3		25-0CT-21
Osamu Tezuka		30000
MASAC TENSACH		NGAYXB
TACGIA		GIATIEN
NHAXUATBAN	LANIN	
Tre	1	
Book5 One Piece 90		11-OCT-21
Eiichiro Oda	_	19500
Kim Dong	2	

## Bång cn1.CHINHANH

SQL>	select *from cn1.chinhanh;	
MACH	TENCHINHANH	SODT
CN01	Quan 3, TPHCM	0939013914

## Bång cn1.KHOSACH\_QLKHO

```
SQL> select *from cn1.khosach_qlkho;

MACH MASAC SOLUONG NGAYCAPNH

CN01 Book1 0 29-OCT-21

CN01 Book3 510 30-OCT-21

CN01 Book5 100 30-OCT-21
```

## Bång cn1.KHOSACH\_NVBH

SQL>	select	t *f	rom cn1	.khosach_nvbh;
MACH	MASAC	TIN	HTRANG	KHUYENMAI
CN01	Book1	Het	Hang	0
CN01	Book3	Con	Hang	20
CN01	Book5	Con	Hang	20

## Bång cn1.NHANVIEN

SQL> select *from cn1.nhanvien	;		
MANV TENNV			
DIACHI	SODT	LUONG	MACH
NV03 Ho Trong Khang Binh Dinh	0858595208	5200000	CN01
NV04 Ho Huu Thang Bien Hoa		5200000	CN01
NV06 Tran Thi Ngoc An Binh Dinh	0944052874	5200000	CN01

# b. Tổ chức dữ liệu ở chi nhánh 2

# Bång cn2.SACH

SQL> conn cn2/cn2;		
Connected.		
SQL> select * from sach;	;	
MASAC TENSACH		NGAYXB
TACCTA		CTATTEN
TACGIA		GIATIEN
······································		
NHAXUATBAN	LANIN	
		00.000.00
Book1 SpyxFamily T.6		29-0CT-21
Endou Tatsuya		25000
Kim Dong	1	
Book2 S. Family T.6 L		29-0CT-21
Endou Tatsuya		45000
Kim Dong	1	
MASAC TENSACH		NGAYXB
TACGIA		GIATIEN
NHAXUATBAN	LANIN	
III II O COPTI DE III	LANIN	
	LANIN	
	LANIN	
Book3 Th.L?ng B.H	LANIN	
Book3 Th.L?ng B.H	LANIN	120000
	1	120000
Book3 Th.L?ng B.H Agatha Christie		120000
Book3 Th.L?ng B.H Agatha Christie Tre		120000 25-0CT-21
Book3 Th.L?ng B.H Agatha Christie Tre Book4 Black Jack 3		25-0CT-21
Book3 Th.L?ng B.H Agatha Christie Tre		
Book3 Th.L?ng B.H Agatha Christie Tre Book4 Black Jack 3 Osamu Tezuka		25-OCT-21 30000
Book3 Th.L?ng B.H Agatha Christie Tre Book4 Black Jack 3		25-0CT-21
Book3 Th.L?ng B.H Agatha Christie Tre Book4 Black Jack 3 Osamu Tezuka MASAC TENSACH		25-0CT-21 30000 NGAYXB
Book3 Th.L?ng B.H Agatha Christie Tre Book4 Black Jack 3 Osamu Tezuka		25-OCT-21 30000
Book3 Th.L?ng B.H Agatha Christie Tre Book4 Black Jack 3 Osamu Tezuka MASAC TENSACH	1	25-0CT-21 30000 NGAYXB
Book3 Th.L?ng B.H Agatha Christie Tre Book4 Black Jack 3 Osamu Tezuka MASAC TENSACH		25-0CT-21 30000 NGAYXB
Book3 Th.L?ng B.H Agatha Christie Tre Book4 Black Jack 3 Osamu Tezuka MASAC TENSACH TACGIA	1 LANIN	25-0CT-21 30000 NGAYXB
Book3 Th.L?ng B.H Agatha Christie Tre Book4 Black Jack 3 Osamu Tezuka MASAC TENSACH	1	25-0CT-21 30000 NGAYXB
Book3 Th.L?ng B.H Agatha Christie Tre Book4 Black Jack 3 Osamu Tezuka MASAC TENSACH TACGIA NHAXUATBAN	1 LANIN	25-OCT-21 30000 NGAYXB GIATIEN
Book3 Th.L?ng B.H Agatha Christie Tre Book4 Black Jack 3 Osamu Tezuka  MASAC TENSACH TACGIA NHAXUATBAN Tre Book5 One Piece 90	1 LANIN	25-OCT-21 30000 NGAYXB GIATIEN
Book3 Th.L?ng B.H Agatha Christie Tre Book4 Black Jack 3 Osamu Tezuka MASAC TENSACH TACGIA NHAXUATBAN	1 LANIN	25-OCT-21 30000 NGAYXB GIATIEN

## Bång cn2.CHINHANH

SQL>	select * from chinhanh;	
MACH	TENCHINHANH	SODT
CN02	Quan Hoang Kiem, Ha Noi	0907979815

# Bång cn2.KHOSACH\_QLKHO

SQL>	select	* from kh	osach_qlkho;
MACH	MASAC	SOLUONG	NGAYCAPNH
CN02	Book1	500	29-0CT-21
CN02	Book2	0	29-0CT-21
CN02	Book4	180	30-0CT-21
CN02	Book5	187	30-0CT-21

# Bång cn2.KHOSACH\_NVBH

SQL>	select	t * from kh	nosach_nvbh;
MACH	MASAC	TINHTRANG	KHUYENMAI
CN02	Book1	Con Hang	10
CN02	Book2	Het Hang	0
CN02	Book4	Con Hang	10
CN02	Book5	Con Hang	15

# Bång cn2.NHANVIEN

SQL> select * from nhanvien;			
MANV TENNV			
DIACHI	SODT	LUONG	MACH
NV01 Nguyen Thi Thuy Nga Dak Lak	0943058578	4900000	
NV02 Le Huynh Lan Ha An Giang	0823664648	4900000	CNØ2
NV05 Phan Pham Quynh Hoa Binh Thuan		4900000	CN02

# TÀI LIỆU THAM KHẢO