go

use BaiTap

go

create table tblCustomer

(

CustID char(7) not null primary key,

CustName nvarchar(50) not null,

CustAddress nvarchar(50),

TelNo varchar(11) unique,

Email varchar(30) unique,

Balance money

)

go

create table tblEmployee

(

EmpID char(7)not null primary key,

EmpName nvarchar(50) not null,

TelNo varchar(11) unique,

Email varchar(50) unique,

Postion nvarchar(30),

Gender char(1),

Dob date,

Salary money

)

go

create table tblProduct

(

ProductID char(7) not null primary key,

ProductName nvarchar(50) not null,

UnitPrice money,

QtyOnHand int,

RecorderLevel int

)

go

create table tblSupplier

(

SuppID char(6) not null primary key,

SuppName nvarchar(50) not null,

SuppAddress nvarchar(50),

TelNo varchar(11) unique ,

ContactPerson nvarchar(50)

)

go

create table tblOderInvoice

(

OderID char(7) not null primary key,

OderDate datetime not null default getdate(),

OderAddress nvarchar(50) ,

OderTotalMoney money,

TelNo varchar(11) unique,

CustNo char(7) not null foreign key references tblCustomer(CustID),

EmpNo char(7) not null foreign key references tblEmployee(EmpID),

InvNo char(11),

InvDate datetime default getdate(),

DatePaid char(10),

DelDate datetime null default getdate(),

DelStatusReceived char(2)

)

go

create table tblRepceiptNote

(

RepID char(8) not null primary key,

RepDate datetime default getdate(),

RepToalMoney money,

SuppNo char(6) not null foreign key references tblSupplier(SuppID)

)

go

create table tblOderInvoiceDetail

(

OderID char(7) not null foreign key references tblOderInvoice(OderID),

ProductID char(7) not null foreign key references tblProduct(ProductID),

QtyOdered money,

Amount money

)

go

create table tblReceiptNoteDetail

(

RepID char(8) not null foreign key references tblRepceiptNote(RepID),

ProductID char(7) not null foreign key references tblProduct(ProductID),

QtyReceipted money,

RepPrice money

)

go

--Cau a:

alter table tblCustomer

add constraint Email1\_ck check(Email like'[a-Za-z]%@[a-z]%.[a-z]%')

alter table tblEmployee

add constraint Email2\_ck check(Email like'[a-Za-z]%@[a-z]%.[a-z]%')

--Cau b:

alter table tblEmployee

add constraint Dob\_ck check(dateDiff(year,Dob,getdate())>=18)

alter table tblOderInvoice

--Cau d:

add constraint Date1\_ck check(OderDate<=getdate())

--Cau e:

alter table tblOderInvoice

add constraint Date2\_ck check ((InvDate <= getdate()) and (InvDate >= OderDate))

--Cau f:

alter table tblOderInvoice

add constraint Date3\_ck check((DelDate <= getDate()) and (DelDate >= InvDate))

--Cau g:

alter table tblCustomer

add constraint Addr1\_df default N'Đà Nẵng' for CustAddress,

constraint Addr1\_1CK check(CustAddress In(N'Đà Nẵng',N'Hồ Chí Minh',N'Quảng Nam'))

alter table tblSupplier

add constraint Addr2\_df default N'Đà Nẵng' for SuppAddress,

constraint Addr2\_CK check(SuppAddress In(N'Đà Nẵng',N'Hồ Chí Minh',N'Quảng Nam'))

--Cau h:

alter table tblEmployee

add constraint GT\_df default 'F' for Gender,

constraint GT\_ck check(Gender In('F','M'))

--Cau i:

alter table tblCustomer

add constraint Bal\_ck check(Balance >= 0)

alter table tblEmployee

add constraint Sal\_ck check(Salary >= 0)

alter table tblOderInvoice

add constraint Ord\_ck check(OderTotalMoney >= 0)

alter table tblOderInvoiceDetail

add constraint QO\_ck check(QtyOdered >= 0),

constraint Am\_ck check(Amount>=0)

alter table tblProduct

add constraint QtO\_ck check(QtyOnHand >= 0),

constraint UP\_ck check(UnitPrice >=0),

constraint RL\_ck check(RecorderLevel>=0)

--Cau k:

alter table tblOderInvoice

add constraint Del\_df default 'BT' for DelStatusReceived,

constraint Del\_ck check(DelStatusReceived In('BT','ER','LL'))

--NHAP DU LIEU VAO BANG

insert into tblCustomer

values ('1815140','Nguyen Mi Du',N'Hồ Chí Minh','0536789811','nguyenmidu@gmail.com',90000),

('1815141',N'Do Thi Vi',N'Đà Nẵng','0354788841','dovi@gmail.com',50000000),

('1815142',N'Nguyen Van A',N'Hồ Chí Minh','0387452122','nguyena@gmail.com',10000),

('1815143',N'Phan Van Duc',N'Quảng Nam','0986754357','vanduc@ahoo.com',2000),

('1815144',N'Do Dinh Tu',Default,'03587990090','dodinhtu@gmail.com',4000000),

('1815145',N'Hoang Thi Van',Default,'0167895432','hoangthivan@gmail.com',150000),

('1815146',N'Nguyen Van B',N'Quảng Nam','077345689','nguyenvanb@gmail.com',60000),

('1815147',N'Phan Dinh Phung',N'Hồ Chí Minh','0865312490','phandinhphung@gmail.com',80000),

('1815148',N'Chuong Minh Thanh',Default,'0445428661','chuongminh@gmail.com',256000),

('1815149',N'Pham Thi C',N'Đà Nẵng','0987654312','phamthic@gmail.com',45000);

set dateformat dmy

insert into tblEmployee

values ('EMPL001',N'Do Thi Vi','0354788841','dothivi@gmail.com','Giam Doc','M','08/07/2000',90000000),

('EMPL002',N'Nguyen Chung','0998765432','nguyenchung@gmail.com','Nhan Vien','F','09/08/1990',5000),

('EMPL003',N'Phan Van D','0345678901','phanvand@gmail.com','Bao Ve',Default,'10/10/1990',30000),

('EMPL004',N'Ca Tron','0987654321','catron@gmail.com','Nhan Vien',Default,'02/01/1995',4600),

('EMPL005',N'Nguyen Nam Thu','0976528187','nguyennamthu@gmail.com','Nhan Vien','F','12/10/1997',4600),

('EMPL006',N'Thai Tu','0785643219','thaitu@ahoo.com','Thu Quy','M','13/05/2000',8900),

('EMPL007',N'Tin Tin','09876554333','tintin@ute.udn.vn','Pho Phong','F','20/12/1998',9000),

('EMPL008',N'Nguyen Van F','0234567890','nguyenvanf@gmail.com','Truong phong','M','25/01/1999',10000),

('EMPL009',N'Trung Gia Nhan','0564327890','trunggia@gmail.com','Nhan Vien','M','30/03/1999',500000),

('EMPL010',N'Cao Binh','045678920','caobinh@gmail.com','Nhan Vien','F','12/12/2000',7800);

insert into tblSupplier

values ('SPL001',N'Do Thi Vi',N'Đà Nẵng','0354788841',N'Do Dinh Tuong'),

('SPL002',N'Ca Na',N'Hồ Chí Minh','0234356789',N'Ca Na Na'),

('SPL003',N'Lu Bo',Default,'0987654321',N'Van Heo'),

('SPL004',N'Nguyen Nam Thu', Default,'0987123456',N'Nguyen Thanh Nam'),

('SPL005',N'Nguyen Trung Thanh',Default,'0876544432',N'Nguyen Van Tuat'),

('SPL006',N'Ho Duy Nam',N'Quảng Nam','0777543641',N'Ho Tan Tai'),

('SPL007',N'Ly Thai To',Default,'0999887667',N'Ly Thai Nhan'),

('SPL008',N'Cao Ba Hung',N'Đà Nẵng','0876547899',N'Cao Ba Quat'),

('SPL009',N'Chu Van An',Default,'0876544499',N'Chu Van Lai'),

('SPL010',N'Tran Thanh',N'Đà Nẵng','0981123475',N'Truong Giang');

insert into tblRepceiptNote

values ('18115410',default,290000,'SPL001'),

('18115411',default,300000,'SPL002'),

('18115412',default,400000,'SPL003'),

('18115413',default,500000,'SPL004'),

('18115414',default,600000,'SPL005'),

('18115415',default,200000,'SPL006'),

('18115416',default,100000,'SPL007'),

('18115417',default,400000,'SPL008'),

('18115418',default,40000,'SPL009'),

('18115419',default,90000,'SPL010');

insert into tblOderInvoice

values ('KHOr001','08/06/2019',N'Quảng Nam',87200,'0345678884','1815140','EMPL010','4000','09/09/2019','09/09/2019',default,'BT');

insert into tblOderInvoice

values ('KHOr002','08/07/2019',N'Quảng Nam',87200,'0987654311','1815141','EMPL009','8000','09/07/2019','08/09/2019',default,default),

('KhOr003','08/07/2019',N'Hồ Chí Minh',87200,'0780234315','1815142','EMPL008','5000','08/07/2019','08/08/2019','08/08/2019','ER'),

('KHOr004','08/07/2019',N'Quảng Nam',87200,'0558976543','1815144','EMPL007','5000','08/07/2019','08/07/2019',default,default),

('KHOr005','08/07/2019',N'Quảng Nam',87200,'0971234567','1815145','EMPL006','5000','08/07/2019','08/08/2019',default,default),

('KHOr006','08/07/2019',N'Quảng Nam',87200,'0998398700','1815146','EMPL005','5000','08/07/2019','08/08/2019',default,default),

('KHOr007','08/07/2019',N'Đà Nẵng',87200,'0982564721','1815147','EMPL004','5000','08/07/2019','08/07/2019','08/07/2019','ER'),

('KhOr008','08/07/2019',N'Hồ Chí Minh',87200,'0731233771','1815148','EMPL002','5000','08/07/2019','08/07/2019','08/07/2019',default),

('KhOr009','08/07/2019',N'Quảng Nam',87200,'0881234512','1815149','EMPL003','5000','08/07/2019','08/07/2019',default,'LL');

insert into tblProduct

values ('KHPR001',N'Lenovo',2000,3000,4000),

('KHPD002',N'DELL ',2000,3000,4000),

('KHPR003',N'BMW ',2000,3000,4000),

('KHPR004',N'DELL',2000,3000,4000),

('KHPR005',N'Iphone X',2000,3000,4000),

('KHPR006',N'BMW ',2000,3000,4000),

('KHPR010',N'DELL',2000,3000,4000),

('KHPR007',N'BMW ',2000,3000,4000),

('KHPR008',N'Iphone X',2000,3000,4000),

('KHPR009',N'Lenovo',2000,3000,4000);

insert into tblReceiptNoteDetail

values ('18115410','KHPR009',5600,6200),

('18115411','KHPR008',5200,5620),

('18115412','KHPR005',9600,3210),

('18115413','KHPR007',5600,3210),

('18115414','KHPR006',5600,6110),

('18115415','KHPR004',8600,3210),

('18115416','KHPD002',6600,8010),

('18115417','KHPR001',4600,8110),

('18115418','KHPR003',3600,3210),

('18115419','KHPR001',5600,9110);

insert into tblOderInvoiceDetail

values ('KhOr003','KHPR009',2300,6500),

('KHOr004','KHPD002',2300,6500),

('KHOr005','KHPR007',2300,6500),

('KHOr006','KHPR006',2300,6500),

('KHOr007','KHPR005',2300,6500),

('KHOr008','KHPR004',2300,6500),

('KHOr009','KHPR003',2300,6500),

('KHOr001','KHPR001',2300,6500),

('KHOr002','KHPR008',2300,6500),

('KHOr009','KHPR010',2300,6500);

Ảnh bài tập













