--Product Table

CREATE TABLE Product

(

productID int,

productName varchar(30),

productPrice decimal(9,2),

CONSTRAINT PK\_Product PRIMARY KEY(productID)

);

--Creditcard Table

CREATE TABLE Creditcard

(

creditcardNo bigint,

creditcardName varchar,

expDate date,

CONSTRAINT PK\_Creditcard PRIMARY KEY (creditcardNo)

);

--Emp Table

CREATE TABLE Emp

(

empID int,

empName varchar(30),

empPosition varchar(20),

empPhno int,

empEmail varchar(40),

CONSTRAINT PK\_Emp PRIMARY KEY (empID)

);

--Customer Table

CREATE TABLE Customer

(

customerID int,

customerName varchar(30),

customerAddress varchar(35),

customerPhno int,

customerEmail varchar (35),

creditcardNo bigint,

CONSTRAINT PK\_Customer PRIMARY KEY (customerID),

CONSTRAINT FK\_Creditcard FOREIGN KEY (creditcardNo) REFERENCES Creditcard (creditcardNo)

);

--Orders Table

CREATE TABLE Orders

(

orderID int,

orderDate date,

orderPrice decimal(9,2),

productID int,

customerID int,

CONSTRAINT PK\_Orders PRIMARY KEY (orderID),

CONSTRAINT FK1\_Product FOREIGN KEY (productID) REFERENCES Product (productID),

CONSTRAINT FK2\_Customer FOREIGN KEY (customerID) REFERENCES Customer (customerID)

);

--Store Table

CREATE TABLE Store

(

StoreID int,

StoreName varchar(30),

StorePhno int,

StoreAddress varchar(40),

empID int,

orderID int,

CONSTRAINT PK\_Store PRIMARY KEY (StoreID),

CONSTRAINT FK1\_Emp FOREIGN KEY (empID) REFERENCES Emp (empID),

CONSTRAINT FK2\_Orders FOREIGN KEY (orderID) REFERENCES Orders (orderID)

);

--check constraint

ALTER TABLE Product ADD CHECK ( productPrice > 10);

--dynamic view

CREATE VIEW orders\_info as select orderID, orderPrice from Orders;

--Shopping wants to view items that are below average for item price

CREATE VIEW product\_price\_avg

AS SELECT productID, productPrice

from Product

WHERE productPrice < (SELECT avg(productPrice)

FROM Product);