.open FILENAME" to reopen on a persistent database.

sqlite> .open ModiBuy Database Script.sql

sqlite> CREATE TABLE Product (

...> ProductNum INT PRIMARY KEY,

...> ProductName VARCHAR(50),

...> ProductDesc VARCHAR(200),

...> ProductWeight FLOAT

...> );

sqlite> CREATE TABLE Supplier (

...> SupplierNum INT PRIMARY KEY,

...> SupplierName VARCHAR(50),

...> SupplierPhoneNumber VARCHAR(10),

...> SupplierAddress VARCHAR(100)

...> );

sqlite> CREATE TABLE Sells (

...> SupplierNum INT,

...> ProductNum INT,

...> UnitPrice FLOAT,

...> Inventory INT,

...> PRIMARY KEY (SupplierNum, ProductNum),

...> FOREIGN KEY (SupplierNum) REFERENCES Supplier (SupplierNum),

...> FOREIGN KEY (ProductNum) REFERENCES Product (ProductNum)

...> );

sqlite> CREATE TABLE Customer (

...> CustomerNum INT PRIMARY KEY,

...> CustomerName VARCHAR(100),

...> DateOfBirth DATE,

...> Gender CHAR(1),

...> CustomerAddress VARCHAR(100),

...> CustomerPhoneNumber VARCHAR(10)

...> );

sqlite>

sqlite> CREATE TABLE ShippingCompany (

...> ShippingCompanyNum INT PRIMARY KEY,

...> ShippingCompanyName VARCHAR(50),

...> PricePerKG FLOAT

...> );

sqlite>

sqlite> CREATE TABLE Purchase (

...> PurchaseNum INT PRIMARY KEY,

...> PurchaseTime DATETIME,

...> CustomerNum INT NOT NULL,

...> ShippingCompanyNum INT NOT NULL,

...> FOREIGN KEY (CustomerNum) REFERENCES Customer (CustomerNum),

...> FOREIGN KEY (ShippingCompanyNum) REFERENCES ShippingCompany

...> (ShippingCompanyNum)

...> );

sqlite> CREATE TABLE PurchaseContains (

...> PurchaseNum INT,

...> SupplierNum INT,

...> ProductNum INT,

...> Amount INT,

...> PRIMARY KEY (PurchaseNum, SupplierNum, ProductNum),

...> FOREIGN KEY (PurchaseNum) REFERENCES Purchase (PurchaseNum),

...> FOREIGN KEY (SupplierNum, ProductNum) REFERENCES Sells

...> (SupplierNum, ProductNum)

...> );

sqlite> .schema

CREATE TABLE Product (

ProductNum INT PRIMARY KEY,

ProductName VARCHAR(50),

ProductDesc VARCHAR(200),

ProductWeight FLOAT

);

CREATE TABLE Supplier (

SupplierNum INT PRIMARY KEY,

SupplierName VARCHAR(50),

SupplierPhoneNumber VARCHAR(10),

SupplierAddress VARCHAR(100)

);

CREATE TABLE Sells (

SupplierNum INT,

ProductNum INT,

UnitPrice FLOAT,

Inventory INT,

PRIMARY KEY (SupplierNum, ProductNum),

FOREIGN KEY (SupplierNum) REFERENCES Supplier (SupplierNum),

FOREIGN KEY (ProductNum) REFERENCES Product (ProductNum)

);

CREATE TABLE Customer (

CustomerNum INT PRIMARY KEY,

CustomerName VARCHAR(100),

DateOfBirth DATE,

Gender CHAR(1),

CustomerAddress VARCHAR(100),

CustomerPhoneNumber VARCHAR(10)

);

CREATE TABLE ShippingCompany (

ShippingCompanyNum INT PRIMARY KEY,

ShippingCompanyName VARCHAR(50),

PricePerKG FLOAT

);

CREATE TABLE Purchase (

PurchaseNum INT PRIMARY KEY,

PurchaseTime DATETIME,

CustomerNum INT NOT NULL,

ShippingCompanyNum INT NOT NULL,

FOREIGN KEY (CustomerNum) REFERENCES Customer (CustomerNum),

FOREIGN KEY (ShippingCompanyNum) REFERENCES ShippingCompany

(ShippingCompanyNum)

);

CREATE TABLE PurchaseContains (

PurchaseNum INT,

SupplierNum INT,

ProductNum INT,

Amount INT,

PRIMARY KEY (PurchaseNum, SupplierNum, ProductNum),

FOREIGN KEY (PurchaseNum) REFERENCES Purchase (PurchaseNum),

FOREIGN KEY (SupplierNum, ProductNum) REFERENCES Sells

(SupplierNum, ProductNum)

);

sqlite>