DROP DATABASE IF EXISTS BOOKSTORE;

CREATE DATABASE BOOKSTORE;

USE BOOKSTORE;

DROP TABLE IF EXISTS ORDERS;

DROP TABLE IF EXISTS CART;

DROP TABLE IF EXISTS OTHERS;

DROP TABLE IF EXISTS LAPTOP;

DROP TABLE IF EXISTS DESK;

DROP TABLE IF EXISTS CHAIR;

DROP TABLE IF EXISTS BOOK;

DROP TABLE IF EXISTS USERS;

DROP TABLE IF EXISTS ITEM;

CREATE TABLE USERS( Name VARCHAR(30) NOT NULL,

Address VARCHAR(50) NOT NULL,

Email VARCHAR(30) NOT NULL,

Username VARCHAR(25) PRIMARY KEY,

Password VARCHAR(15) NOT NULL,

Is\_admin VARCHAR(10) NOT NULL );

CREATE TABLE ITEM( Name VARCHAR(50) NOT NULL,

Serial\_number INT PRIMARY KEY,

Price FLOAT NOT NULL,

Company VARCHAR(15) );

CREATE TABLE BOOK( ISBN INT primary key,

Author VARCHAR(30) NOT NULL,

Title VARCHAR(50) NOT NULL,

Edition INT NOT NULL,

Rating INT ,

Genre VARCHAR(15) NOT NULL,

Publisher VARCHAR(15) NOT NULL,

FOREIGN KEY(ISBN) REFERENCES ITEM(Serial\_number) );

CREATE TABLE CHAIR( Chair\_id INT primary key,

Num\_of\_legs INT ,

Num\_of\_wheels INT ,

Material VARCHAR(10) NOT NULL,

Color VARCHAR(10) NOT NULL,

FOREIGN KEY(Chair\_id) REFERENCES ITEM(Serial\_number) );

CREATE TABLE DESK( Desk\_id INT primary key,

Num\_of\_legs INT ,

Num\_of\_drawers INT ,

Material VARCHAR(10) NOT NULL,

Square\_feet INT NOT NULL,

Color VARCHAR(10) NOT NULL ,

FOREIGN KEY(Desk\_id) REFERENCES ITEM(Serial\_number));

CREATE TABLE LAPTOP( Laptop\_id INT primary key,

Model VARCHAR(10) NOT NULL,

Processor VARCHAR(10) NOT NULL,

HD\_size INT NOT NULL,

RAM\_size INT NOT NULL,

Year YEAR NOT NULL,

Screen\_size INT NOT NULL,

Color VARCHAR(10) NOT NULL,

FOREIGN KEY(Laptop\_id) REFERENCES ITEM(Serial\_number) );

CREATE TABLE OTHERS( Others\_id INT primary key,

Description VARCHAR(50) NOT NULL ,

FOREIGN KEY(Others\_id) REFERENCES ITEM(Serial\_number));

CREATE TABLE CART( Cust\_username VARCHAR(25),

Name VARCHAR(50) NOT NULL,

Item\_Serial\_number INT PRIMARY KEY,

Price FLOAT NOT NULL,

Company VARCHAR(15),

FOREIGN KEY(Cust\_username) REFERENCES USERS(Username),

FOREIGN KEY(Item\_Serial\_number) REFERENCES ITEM(Serial\_number) );

CREATE TABLE ORDERS( Order\_id INT PRIMARY KEY AUTO\_INCREMENT,

Total\_price FLOAT NOT NULL,

Num\_of\_items INT NOT NULL,

Cust\_username VARCHAR(25) NOT NULL,

Date\_placed DATE NOT NULL,

FOREIGN KEY(Cust\_username) REFERENCES USERS(Username));