CREATE TABLE address

(

addressID INT,

city VARCHAR(16),

state CHAR(2) NOT NULL,

zip NUMERIC(5,0),

street\_name VARCHAR(32),

street\_number NUMERIC(3,0),

apt\_name NUMERIC(3,0),

PRIMARY KEY (addressID)

);

CREATE TABLE Warehouse(

warehouse\_ID INT,

addressID INT,

capacity INT,

PRIMARY KEY (warehouse\_ID),

FOREIGN KEY (addressID) REFERENCES address

);

CREATE TABLE product(

item\_ID INT,

product\_name VARCHAR(16),

category VARCHAR(16),

alc\_content NUMERIC(4,2),

nutrition VARCHAR(32)

size INT,

Calories INT,

servingSize INT,

PRIMARY KEY (item\_ID),

FOREIGN KEY (item\_ID) REFERENCES product pricing

);

CREATE TABLE product pricing(

item\_ID INT,

item\_state VARCHAR(2) NOT NULL,

price NUMERIC(5,2),

PRIMARY KEY (item\_ID, item\_state),

FOREIGN KEY (item\_ID) REFERENCES product,

CHECK (price>=0)

);

CREATE TABLE customers(

cust\_ID INT,

name VARCHAR(32),

addresses VARCHAR(20),

credit card NUMERIC(16,0),

balance NUMERIC(6,2),

PRIMARY KEY(cust\_ID),

FOREIGN KEY(addresses) REFERENCES address

);

CREATE TABLE order(

order\_ID INT,

cust\_ID INT,

item\_ID INT,

quantity INT,

status VARCHAR(8),

month INT,

day INT,

year INT,

PRIMARY KEY (cust\_ID, item\_ID, order\_ID),

FOREIGN KEY (cust\_ID) REFERENCES customers,

FOREIGN KEY (item\_ID) REFERENCES product,

CHECK (month BETWEEN 1 AND 12),

CHECK (day BETWEEN 1 AND 31),

CHECK (year BETWEEN 1950 AND 2050)

);

CREATE TABLE Staff Member

(

employee\_ID NUMERIC (5,2),

addressID INT,

firstname VARCHAR (32) NOT NULL,

lastname VARCHAR (32) NOT NULL,

jobTitle VARCHAR (16) NOT NULL,

salary NUMERIC (6,2),

PRIMARY KEY (employeeID),

FOREIGN KEY(addressID) REFERENCES address,

CHECK (salary>=0)

);

CREATE INDEX usa

ON product pricing(item\_state);

CREATE INDEX orderFulfillment

ON orders(status);

CREATE INDEX ac

ON product(product\_name, alc\_content);