CREATE TABLE Prod\_Purchased(  
 UPC\_code INTEGER NOT NULL UNIQUE,  
 PurchaseID INTEGER NOT NULL UNIQUE,  
 Amount\_Purchased INTEGER NOT NULL,  
 PRIMARY KEY(UPC\_code,PurchaseID)  
);  
  
CREATE TABLE Store\_Vendor(  
 VendorID INTEGER NOT NULL UNIQUE,  
 StoreID INTEGER NOT NULL UNIQUE,  
 PRIMARY KEY(VendorID,StoreID)  
);  
  
CREATE TABLE Brand\_Products(  
 UPC\_code INTEGER NOT NULL UNIQUE,  
 BrandID INTEGER NOT NULL UNIQUE,  
 PRIMARY KEY(UPC\_code,BrandID)  
);  
  
CREATE TABLE Store\_Product(  
 UPC\_code INTEGER NOT NULL UNIQUE,  
 StoreID INTEGER NOT NULL UNIQUE,  
 Amount INTEGER,  
 PRIMARY KEY(UPC\_code,StoreID)  
);  
  
CREATE TABLE Vendor\_Product(  
 UPC\_code INTEGER NOT NULL UNIQUE,  
 VendorID INTEGER NOT NULL UNIQUE,  
 PRIMARY KEY(UPC\_code,VendorID)  
);  
  
CREATE TABLE Product\_Type(  
 UPC\_code INTEGER NOT NULL UNIQUE,  
 TypeID INTEGER NOT NULL UNIQUE,  
 PRIMARY KEY(UPC\_code,TypeID)  
);  
  
CREATE TABLE Purchase(  
 PurchaseID INTEGER PRIMARY KEY,  
 StoreID INTEGER NOT NULL,  
 CustomerID Integer Not null,  
 Sum\_of\_Purchase INTEGER NOT NULL,  
 Date\_of\_Purchase DATE,  
 Type\_of\_Purchase VARCHAR(20) NOT NULL  
);  
  
CREATE Table Pre\_Type(  
 TypeID INTEGER NOT NULL UNIQUE,  
 PreTypeID INTEGER NOT NULL UNIQUE,  
 PRIMARY KEY(TypeID,PreTypeID)  
);  
  
CREATE TABLE Registered\_Customer(  
 CustomerID INTEGER PRIMARY KEY,  
 first\_name VARCHAR(20) CHECK(char\_length(first\_name>3)),  
 last\_name VARCHAR(20) CHECK(char\_length(last\_name>3))  
);  
  
CREATE TABLE Product(  
 UPC\_code INTEGER PRIMARY KEY REFERENCES Brand\_Products(UPC\_code) REFERENCES Store\_Product(UPC\_code) REFERENCES Prod\_Purchased(UPC\_code),  
 product\_size VARCHAR(50) NOT NULL,  
 packaging\_method VARCHAR(50) NOT NULL  
);  
  
CREATE TABLE Store(  
 StoreID INTEGER PRIMARY KEY REFERENCES Store\_Product(StoreID),  
 country VARCHAR(50) NOT NULL,  
 city VARCHAR(50) NOT NULL,  
 street VARCHAR(50) NOT NULL  
);  
  
CREATE TABLE Brand(  
 BrandID INTEGER PRIMARY KEY REFERENCES Brand\_Products(BrandID),  
 brand\_name VARCHAR(50) NOT NULL  
);  
  
CREATE TABlE Vendor(  
 VendorID INTEGER PRIMARY KEY,  
 vendor\_name VARCHAR(50) NOT NULL,  
 country VARCHAR(50) NOT NULL,  
 city VARCHAR(50) NOT NULL,  
 street VARCHAR(50) NOT NULL  
);  
  
CREATE TABLE Type(  
 TypeID INTEGER PRIMARY KEY,  
 Type\_Name varchar(20) NOT NULL  
);  
  
CREATE TABLE Customer(  
 CustomerID INTEGER PRIMARY KEY  
);