

```
CREATE TABLE Customers(
    CustomerId NUMBER(7) PRIMARY KEY,
    firstName VARCHAR(25) NOT NULL,
    lastName VARCHAR(25) NOT NULL,
    phone NUMBER(11) NOT NULL,
    address VARCHAR(100) ,
    CHECK(CustomerId >= 1 AND CustomerId <= 999999),
    CHECK(phone >= 2000000000 AND phone <= 9999999999)
);

CREATE TABLE Retailers(
    RetailerId NUMBER(4) PRIMARY KEY CHECK(RetailerId >= 1 AND RetailerId <= 9999),
    address VARCHAR(100) NOT NULL,
    phone NUMBER(11) NOT NULL CHECK(phone >= 2000000000 AND phone <= 9999999999)
);

CREATE TABLE ORDERS(
    OrderId NUMBER(8) PRIMARY KEY,
    CustomerId NUMBER(7) NOT NULL,
    RetailerId NUMBER(4) NOT NULL,
    OrderDate DATE NOT NULL,
    CHECK(OrderId >= 1 AND OrderId <= 999999),
    CHECK(CustomerId >= 1 AND CustomerId <= 999999),
    FOREIGN KEY (CUSTOMERID) REFERENCES CUSTOMERS(CUSTOMERID),
    FOREIGN KEY (RetailerID) REFERENCES RETAILERS(RetailerID)
);

CREATE TABLE Products(
    PRODUCTID NUMBER(8) PRIMARY KEY CHECK (PRODUCTID >= 10000000 AND PRODUCTID <=99999999),
    PRICEEACH NUMBER (7) NOT NULL CHECK (PRICEEACH>= 1 AND PRICEEACH <= 9999),
    DESCRIPTION VARCHAR(25) NOT NULL,
    COSTTOMAKE NUMBER(7) NOT NULL CHECK (COSTTOMAKE>= 1 AND COSTTOMAKE <= 9999)
);

CREATE TABLE ORDERDETAILS(
    OrderId NUMBER(8),
    PRODUCTID NUMBER(8),
    NUMORDERED NUMBER(5) NOT NULL,
    TOTAL NUMBER(11) NOT NULL,
    FOREIGN KEY(PRODUCTID) REFERENCES PRODUCTS(PRODUCTID),
    FOREIGN KEY(OrderId) REFERENCES ORDERS(OrderId),
    PRIMARY KEY(PRODUCTID,ORDERID)
);

CREATE TABLE Suppliers(
    SupplierId NUMBER(4) PRIMARY KEY CHECK(SupplierId > 0 AND SupplierId <= 9999),
    SUPPLIERNAME VARCHAR(20),
    phone NUMBER(11) NOT NULL CHECK(phone >= 2000000000 AND phone <= 9999999999),
    address VARCHAR(100) NOT NULL
);

CREATE TABLE SuppliersProducts(
    SUPPLIERID NUMBER(4),
    PRODUCTID NUMBER(8),
    FOREIGN KEY (SUPPLIERID) REFERENCES SUPPLIERS(SUPPLIERID),
    FOREIGN KEY (PRODUCTID) REFERENCES PRODUCTS(PRODUCTID),
    PRIMARY KEY(PRODUCTID,SUPPLIERID)
);

CREATE TABLE Inventory(
    RetailerId NUMBER(4),
    ProductId NUMBER(8),
    NumOfProducts NUMBER(11) NOT NULL,
    FOREIGN KEY(RETAILERID) REFERENCES RETAILERS(RETAILERID),
    FOREIGN KEY (PRODUCTID) REFERENCES PRODUCTS(PRODUCTID),
    PRIMARY KEY(RETAILERID,PRODUCTID)
);

CREATE TABLE Employees(
    EmployeeId NUMBER(4) PRIMARY KEY,
    RetailerId NUMBER(4) NOT NULL,
    firstName VARCHAR(25) NOT NULL,
    lastName VARCHAR(25) NOT NULL,
    jobTitle VARCHAR(25) NOT NULL,
    address VARCHAR(100) NOT NULL,
    email VARCHAR(30) NOT NULL,
    phone NUMBER(11) NOT NULL CHECK(phone >= 2000000000 AND phone <= 9999999999),
    CHECK(EmployeeId > 0 AND EmployeeId < 10000),
    FOREIGN KEY (retailerId) REFERENCES RETAILERS(RETAILERID)
);

DROP TABLE EMPLOYEES;
DROP TABLE INVENTORY;
DROP TABLE ORDERDETAILS;
DROP TABLE SUPPLIERSPRODUCTS;
DROP TABLE SUPPLIERS;
```

```
DROP TABLE PRODUCTS;  
DROP TABLE ORDERS;  
DROP TABLE CUSTOMERS;  
DROP TABLE RETAILERS;
```