

Design the database physically and prepare data for the tables, with at least 5 products, 5 customers, and 10 purchases.

Customers(CustomerID*, Name, Phone, Address)

Products(ProductID*, Name, Price, Quantity)

Purchase(PurchaseID*, CustomerID, ProductID, Quantity, Cost, Tax, TotalCost)

```
CREATE TABLE "Customers" (  
    "CustomerID"    INTEGER,  
    "Name"          TEXT NOT NULL,  
    "Phone"         TEXT DEFAULT '111-111-1111',  
    "Address"       TEXT DEFAULT 'US',  
    PRIMARY KEY("CustomerID")  
)
```

```
CREATE TABLE "Products" (  
    "ProductID"    INTEGER,  
    "Name"         TEXT NOT NULL,  
    "Price"        REAL NOT NULL,  
    "Quantity"     REAL NOT NULL,  
    PRIMARY KEY("ProductID")  
)
```

```
CREATE TABLE "Purchase" (  
  
    "PurchaseID"    INTEGER,  
  
    "CustomerID"    INTEGER NOT NULL,  
  
    "ProductID"    INTEGER NOT NULL,  
  
    "Quantity"    INTEGER NOT NULL,  
  
    "Cost"    REAL NOT NULL,  
  
    "Tax"    REAL NOT NULL,  
  
    "TotalCost"    REAL NOT NULL,  
  
    PRIMARY KEY("PurchaseID")  
  
)
```

```
INSERT INTO Customers  
VALUES  
(1, 'Amada', '334-898-9034', 'AL'),  
(2, 'Emy', '404-890-6734', 'GA'),  
(3, 'Angel', '212-234-7832', 'NY'),  
(4, 'Jackson', '310-789-2839', 'LA'),  
(5, 'Fiona', '415-908-2345', 'CA');
```

```
INSERT INTO Products  
VALUES  
(1, 'Apple', 0.99, 300),  
(2, 'Noodles', 1.32, 500),  
(3, 'Pineapple', 2.32, 200),  
(4, 'Light', 8.92, 400),  
(5, 'Sunglass', 23.40, 50);
```

```
INSERT INTO Purchase  
VALUES  
(1, 1, 1, 2, 1.98, 0.18, 2.16),  
(2, 2, 2, 5, 6.00, 0.59, 7.19),  
(3, 3, 1, 2, 1.98, 0.18, 2.16),  
(4, 4, 3, 3, 6.96, 0.63, 7.59),  
(5, 5, 4, 4, 35.68, 1.78, 37.46),
```

(6,6,2,5,6.60,0.59,7.19),
(7,7,5,1,23.50,1.18,24.68),
(8,8,3,3,6.96,0.63,7.59),
(9,9,5,1,23.5,1.18,24.68),
(10,10,2,5,6.60,0.59,7.19);