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COMP 3700

Due: 10/16/2019

Project 1: Data for databases

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

Creating Tables:

CREATE TABLE "Products" (

"productid" INTEGER NOT NULL,

"Name" TEXT,

"ExpirationDate" TEXT,

"Price" REAL,

"Quantity" REAL,

"supplier" TEXT,

"manufactured" TEXT,

PRIMARY KEY("productid")

);

CREATE TABLE "Customers" (

"customerid" INTEGER NOT NULL,

"Name" TEXT,

"Address" TEXT,

"Phone" TEXT,

"PaymentInfo" TEXT,

PRIMARY KEY("customerid")

);

CREATE TABLE "Purchases" (

"Purchaseid" INTEGER NOT NULL,

"Customerid" INTEGER NOT NULL,

"Productid" INTEGER NOT NULL,

"Date" TEXT NOT NULL,

"Quantity" REAL NOT NULL,

"Price" REAL NOT NULL,

"TaxRate" REAL NOT NULL,

"TotalCost" REAL NOT NULL,

"Cost" REAL,

PRIMARY KEY("Purchaseid")

);

Prepare data for the tables, with at least 5 products, 5 customers, and 10 purchases:

- Products:

INSERT INTO "main"."Products" ("productid", "Name", "ExpirationDate", "Price", "Quantity", "supplier", "manufactured") VALUES ('1', 'orange', '9/17/2019', '3.0', '1.0', 'Orange Inc.', '9/10/2019');

INSERT INTO "main"."Products" ("productid", "Name", "ExpirationDate", "Price", "Quantity", "supplier", "manufactured") VALUES ('73', 'Grape Juice', '', '4.99', '3.0', '', '');

INSERT INTO "main"."Products" ("productid", "Name", "ExpirationDate", "Price", "Quantity", "supplier", "manufactured") VALUES ('83', 'Final Product Test', '', '34.9', '5.0', '', '');

INSERT INTO "main"."Products" ("productid", "Name", "ExpirationDate", "Price", "Quantity", "supplier", "manufactured") VALUES ('111', 'Apple', '', '0.99', '1000.0', '', '');

INSERT INTO "main"."Products" ("productid", "Name", "ExpirationDate", "Price", "Quantity", "supplier", "manufactured") VALUES ('123', 'test for PRoduct', '', '0.99', '123.0', '', '');

INSERT INTO "main"."Products" ("productid", "Name", "ExpirationDate", "Price", "Quantity", "supplier", "manufactured") VALUES ('938', 'Test3', '', '23.92', '7.0', '', '');

INSERT INTO "main"."Products" ("productid", "Name", "ExpirationDate", "Price", "Quantity", "supplier", "manufactured") VALUES ('1110', 'Apple Juice', '', '3.99', '1000.0', '', '');

- Customers:

INSERT INTO "main"."Customers" ("customerid", "Name", "Address", "Phone", "PaymentInfo") VALUES ('1', 'Craig', '657 Stone Street', '935-454-2453', 'Debit Card');

INSERT INTO "main"."Customers" ("customerid", "Name", "Address", "Phone", "PaymentInfo") VALUES ('15', 'Dugg Dimadome', '891 Baker Road', '155-872-2911', 'Debit Card');

INSERT INTO "main"."Customers" ("customerid", "Name", "Address", "Phone", "PaymentInfo") VALUES ('81', 'Jimmy Neutron', 'Gotta blast Drive', '581-932-2949', 'Credit Card');

INSERT INTO "main"."Customers" ("customerid", "Name", "Address", "Phone", "PaymentInfo") VALUES ('64', 'Robert Patterson', '563 Stone Lake', '246-283-9438', 'Credit');

INSERT INTO "main"."Customers" ("customerid", "Name", "Address", "Phone", "PaymentInfo") VALUES ('923', 'Test', '122 Willow Road', '123-456-7890', 'Debit');

- Purchases:

INSERT INTO "main"."Purchases" ("Purchaseid", "Customerid", "Productid", "Date", "Quantity", "Price", "TaxRate", "TotalCost", "Cost") VALUES ('2', '1', '1', '3.0', '1.0', '3.0', '0.27', '3.27', 'Tue Oct 08 21:55:07 CDT 2019');

INSERT INTO "main"."Purchases" ("Purchaseid", "Customerid", "Productid", "Date", "Quantity", "Price", "TaxRate", "TotalCost", "Cost") VALUES ('3', '15', '1', '3.0', '1.0', '3.0', '0.27', '3.27', 'Wed Oct 16 16:40:25 CDT 2019');

INSERT INTO "main"."Purchases" ("Purchaseid", "Customerid", "Productid", "Date", "Quantity", "Price", "TaxRate", "TotalCost", "Cost") VALUES ('4', '64', '73', '4.99', '3.0', '14.97', '1.3473', '16.3173', 'Wed Oct 09 16:06:49 CDT 2019');

INSERT INTO "main"."Purchases" ("Purchaseid", "Customerid", "Productid", "Date", "Quantity", "Price", "TaxRate", "TotalCost", "Cost") VALUES ('5', '64', '111', '0.99', '1000.0', '990.0', '89.1', '1079.1', 'Wed Oct 09 16:10:41 CDT 2019');

INSERT INTO "main"."Purchases" ("Purchaseid", "Customerid", "Productid", "Date", "Quantity", "Price", "TaxRate", "TotalCost", "Cost") VALUES ('6', '15', '73', '4.99', '3.0', '14.97', '1.3473', '16.3173', 'Wed Oct 16 16:40:25 CDT 2019');

INSERT INTO "main"."Purchases" ("Purchaseid", "Customerid", "Productid", "Date", "Quantity", "Price", "TaxRate", "TotalCost", "Cost") VALUES ('7', '81', '73', '4.99', '3.0', '14.97', '1.3473', '16.3173', 'Wed Oct 16 16:40:25 CDT 2019');

INSERT INTO "main"."Purchases" ("Purchaseid", "Customerid", "Productid", "Date", "Quantity", "Price", "TaxRate", "TotalCost", "Cost") VALUES ('8', '81', '1110', '3.99', '1000.0', '3990.0', '359.1', '4349.1', 'Wed Oct 16 16:40:25 CDT 2019');

INSERT INTO "main"."Purchases" ("Purchaseid", "Customerid", "Productid", "Date", "Quantity", "Price", "TaxRate", "TotalCost", "Cost") VALUES ('9', '81', '1', '3.0', '1000.0', '3990.0', '359.1', '4349.1', 'Wed Oct 16 16:40:25 CDT 2019');

INSERT INTO "main"."Purchases" ("Purchaseid", "Customerid", "Productid", "Date", "Quantity", "Price", "TaxRate", "TotalCost", "Cost") VALUES ('10', '1', '73', '4.99', '3.0', '14.97', '1.3473', '16.3173', 'Wed Oct 16 15:28:54 CDT 2019');

INSERT INTO "main"."Purchases" ("Purchaseid", "Customerid", "Productid", "Date", "Quantity", "Price", "TaxRate", "TotalCost", "Cost") VALUES ('11', '1', '7', '1000.0', '1.0', '1000.0', '90.0', '1090.0', 'Wed Oct 16 16:48:13 CDT 2019');