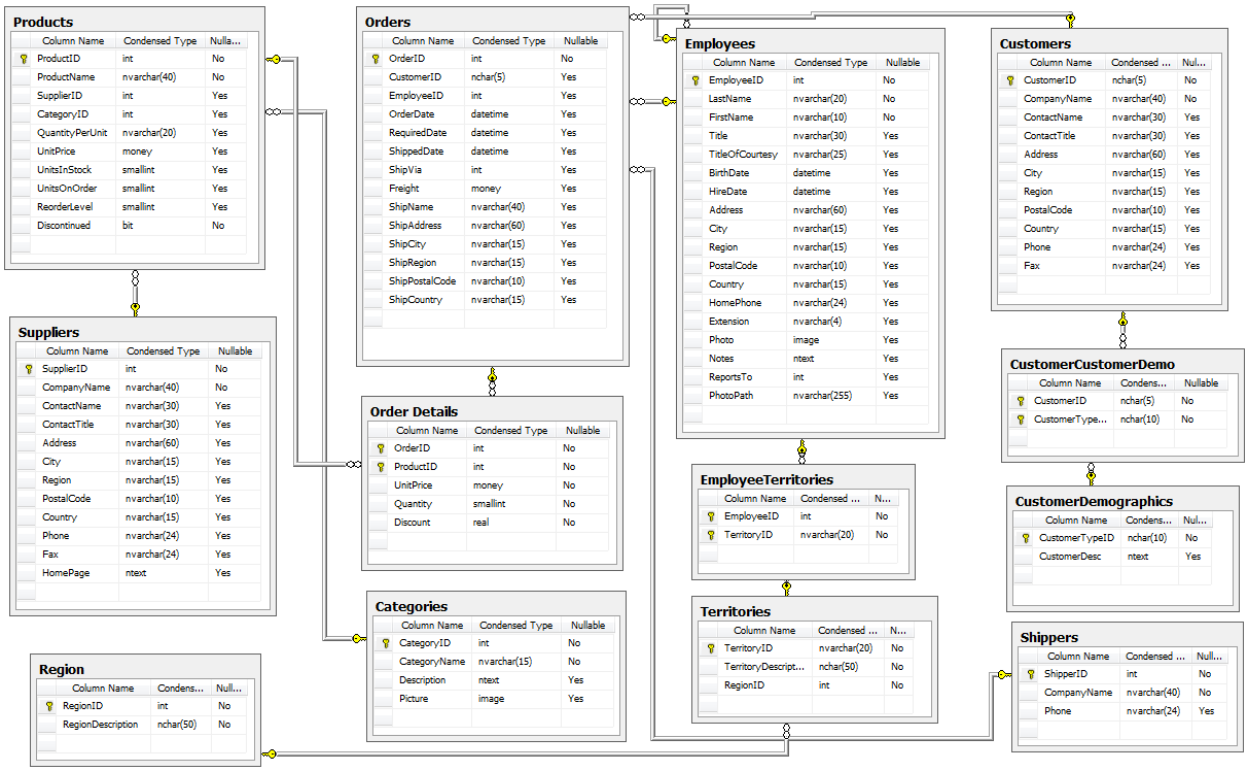
Homework1

1.Introduction

In this assignment, you will write SQL queries that answer questions about a database containing information about northwind. The data in this homework is a version is a version of the Microsoft Access 2000 Northwind sample database, re-engineered for SQLite3.

The Northwind sample database was provided with Microsoft Access as a tutorial schema for managing small business customers, orders, inventory, purchasing, suppliers, shipping, and employees. Northwind is an excellent tutorial schema for a small-business ERP, with customers, orders, inventory, purchasing, suppliers, shipping, employees, and single-entry accounting.

All the TABLES and VIEWS from the MSSQL-2000 version have been converted to Sqlite3 and included here. Included is a single version prepopulated with data. Should you decide to, you can use the included python script to pump the database full of more data.



2. SETTING UP SQLITE

Please follow the instructions to set up SQLITE on your computer

Or the Youtube video to setup SQLITE on your computer (windows)

https://www.youtube.com/watch?v=wXEZZ2JT3-k&t=331s

Or the Youtube video to setup SQLITE on your computer (mac)

https://www.youtube.com/watch?v=ayYhntrMiDA

3.Check if SQLite3 is properly working on your computer by following this tutorial

4.Download the data which name is northwind.db from Blackboard

5. Check the contents of the database by running the .tables command on the sqlite3 terminal.

6. Create a folder by using the following command ***mkdir HOMEWORK1***

7.move northwind.db to HOMEWORK1

8. Check the contents of the database by running the .tables command on the sqlite3 terminal.

```
E:\CSC315\HOMEWORK1>sqlite3 northwind.db
SQLite version 3.39.2 2022-07-21 15:24:47
Enter ".help" for usage hints.
sqlite> .tables
Category              EmployeeTerritory     Region
Customer              Order                 Shipper
CustomerCustomerDemo  OrderDetail           Supplier
CustomerDemographic   Product               Territory
Employee              ProductDetails_V
sqlite>
```

You should see fourteen tables

More details are listed on the picture

9. Get familiar with the structure of the tables (what attributes do they contain, what are the primary and foreign keys).

```
E:\CSC315\HOMEWORK1>sqlite3 northwind.db
SQLite version 3.39.2 2022-07-21 15:24:47
Enter ".help" for usage hints.
sqlite> .tables
Category              EmployeeTerritory     Region
Customer              Order                 Shipper
CustomerCustomerDemo  OrderDetail           Supplier
CustomerDemographic   Product               Territory
Employee              ProductDetails_V
sqlite> .schema Category
CREATE TABLE IF NOT EXISTS "Category"
(
  "Id" INTEGER PRIMARY KEY,
  "CategoryName" VARCHAR(8000) NULL,
  "Description" VARCHAR(8000) NULL
);
sqlite>
```

10. To see more details on the orders, you should run

```
E:\CSC315\HOMEWORK1>sqlite3 northwind.db
SQLite version 3.39.2 2022-07-21 15:24:47
Enter ".help" for usage hints.
sqlite> .tables
Category              EmployeeTerritory     Region
Customer              Order                 Shipper
CustomerCustomerDemo  OrderDetail           Supplier
CustomerDemographic   Product               Territory
Employee              ProductDetails_V
sqlite> .schema Category
CREATE TABLE IF NOT EXISTS "Category"
(
  "Id" INTEGER PRIMARY KEY,
  "CategoryName" VARCHAR(8000) NULL,
  "Description" VARCHAR(8000) NULL
);
sqlite> .schema Order
CREATE TABLE IF NOT EXISTS "Order"
(
  "Id" INTEGER PRIMARY KEY,
  "CustomerId" VARCHAR(8000) NULL,
  "EmployeeId" INTEGER NOT NULL,
  "OrderDate" VARCHAR(8000) NULL,
  "RequiredDate" VARCHAR(8000) NULL,
  "ShippedDate" VARCHAR(8000) NULL,
  "ShipVia" INTEGER NULL,
  "Freight" DECIMAL NOT NULL,
  "ShipName" VARCHAR(8000) NULL,
  "ShipAddress" VARCHAR(8000) NULL,
  "ShipCity" VARCHAR(8000) NULL,
  "ShipRegion" VARCHAR(8000) NULL,
  "ShipPostalCode" VARCHAR(8000) NULL,
  "ShipCountry" VARCHAR(8000) NULL
);
sqlite>
```

11.To count how many rows in Order table make sure to use quotation marks around it ('Order').

```
E:\CSC315\HOMEWORK1>sqlite3 northwind.db
SQLite version 3.39.2 2022-07-21 15:24:47
Enter ".help" for usage hints.
sqlite> select count(*) from 'Order';
16818
sqlite>
```

SUBMISSION

Paste screenshot for step 8 – 11 to a Microsoft word document. Then save it as pdf.

Submit Pdf.