

Before you start on this assignment you need to create a new Database using the commands below

Use Master
Go

IF DB_ID('MytestDb') IS NOT NULL --check to see if the database exists
DROP DATABASE mytestdb; -- if it does drop the database
GO

Create Database MyTestDB;--Creates the database
Go

Use MyTestDB -- makes the database the active database
Go

Question 1. Using SQL create table command, create the zipcode table with the following field names and datatypes/sizes

Table: ZipCode

Column	Datatype/Size	Constraints
ZipCode	Varchar(10)	Not null
City	Varchar(20)	
StateCode	Varchar(2)	

Question 2. Establish ZipCode as the primary key of the Zipcode table. Use ALTER TABLE ADD CONSTRAINT for this purpose.

Question 3. Using SQL create table command, create the customer table

Table: Customer

Column	Datatype/Size	Constraints
CustomerID	Integer	Primary Key
CustomerName	Varchar(30)	
Address	Varchar(30)	
ZipCode	Varchar(10)	Foreign key reference to the zipcode table.
CreditLimit	Money	
Balance	Money	

Question 4. Using SQL create table command, create the Orders table

Table: Orders

Column	Datatype/Size	Constraints
OrderID	Integer	Primary Key
OrderDate	Date	
CustomerID	Integer	Foreign key reference to the Customer table.

Question 5. Using SQL create table command, create the Products table

Table: Product

Column	Datatype/Size	Constraints
ProductID	Integer	Primary Key
Description	Varchar(30)	
UnitsOnHand	Integer	
UnitsOnOrder	Integer	
UnitOfMeasure	Integer	
ReorderPoint	Integer	
UnitCost	Money	
UnitPrice	Money	

Question 6. Using SQL create table command, create the OrderedProduct table. **During the create, establish OrderID + ProductID as a composite primary key.**

Table: OrderedProduct

Column	Datatype/Size	Constraints
OrderID	Integer	Foreign key reference to the Order table.
ProductID	Integer	Foreign key reference to the Product table.
NumberOrdered	Integer	
QuotedPrice	Money	



Question 7. Establish an index on the customer name that will also not allow null values. Call the index CustName.

HINT... **Use the Unique keyword**

Question 8. Establish an index on the OrderID column of the OrderedProducts table.
Establish a similar index on the ProductID column of the same table.
(This is 2 separate index create commands)