DDL and DML

CREATE TABLE [Vendors] (

[Id] int,

[Name] varchar(50),

[Phone] varchar(15),

[Email] varchar(25),

PRIMARY KEY ([Id])

);

CREATE TABLE [Categories] (

[Id] int,

[Name] varchar(50),

PRIMARY KEY ([Id])

);

CREATE TABLE [Brands] (

[Id] int,

[Name] varchar(50),

PRIMARY KEY ([Id])

);

CREATE TABLE [Products] (

[ProductNumber] varchar(15),

[Name] varchar(200),

[Description] varchar(750),

[Price] float,

[AvailableDiscount] float,

[UnitWeight] float,

[BrandId] int,

[CategoryId] int,

PRIMARY KEY ([ProductNumber]),

CONSTRAINT [FK\_Products.CategoryId]

FOREIGN KEY ([CategoryId])

REFERENCES [Categories]([Id]),

CONSTRAINT [FK\_Products.BrandId]

FOREIGN KEY ([BrandId])

REFERENCES [Brands]([Id])

);

CREATE TABLE [ProductVendors] (

[ProductNumber] varchar(15),

[VendorId] int,

[SupplyQuantity] int,

[SupplyDate] date,

[CostPerUnit] float,

PRIMARY KEY ([ProductNumber], [VendorId]),

CONSTRAINT [FK\_ProductVendors.VendorId]

FOREIGN KEY ([VendorId])

REFERENCES [Vendors]([Id]),

CONSTRAINT [FK\_ProductVendors.ProductNumber]

FOREIGN KEY ([ProductNumber])

REFERENCES [Products]([ProductNumber])

);

CREATE TABLE [Customers] (

[Id] int,

[FirstName] varchar(15),

[LastName] varchar(15),

[Phone] varchar(15),

[Email] varchar(25),

[Username] varchar(25),

[Password] varchar(25),

PRIMARY KEY ([Id])

);

CREATE TABLE [Shippers] (

[Id] int,

[CompanyName] varchar(50),

[Email] varchar(25),

[Phone] varchar(25),

PRIMARY KEY ([Id])

);

CREATE TABLE [Payments] (

[Id] int,

[Method] varchar(50),

PRIMARY KEY ([Id])

);

CREATE TABLE [Orders] (

[Id] int,

[Description] varchar(750),

[TotalAmount] float,

[DateOfOrder] datetime,

[Status] varchar(25),

[Discount] float,

[PayableAmount] float,

[ShipperId] int,

[PaymentId] int,

[CustomerId] int,

PRIMARY KEY ([Id]),

CONSTRAINT [FK\_Orders.CustomerId]

FOREIGN KEY ([CustomerId])

REFERENCES [Customers]([Id]),

CONSTRAINT [FK\_Orders.ShipperId]

FOREIGN KEY ([ShipperId])

REFERENCES [Shippers]([Id]),

CONSTRAINT [FK\_Orders.PaymentId]

FOREIGN KEY ([PaymentId])

REFERENCES [Payments]([Id])

);

CREATE TABLE [ProductOrders] (

[ProductNumber] varchar(15),

[OrderId] int,

[Quantity] int,

PRIMARY KEY ([ProductNumber], [OrderId]),

CONSTRAINT [FK\_ProductOrders.OrderId]

FOREIGN KEY ([OrderId])

REFERENCES [Orders]([Id]),

CONSTRAINT [FK\_ProductOrders.ProductNumber]

FOREIGN KEY ([ProductNumber])

REFERENCES [Products]([ProductNumber])

);

CREATE TABLE [Departments] (

[Id] varchar(15),

[Name] varchar(30),

[Phone] varchar(15),

[Email] varchar(30),

PRIMARY KEY ([Id])

);

CREATE TABLE [Companies] (

[Id] int,

[Name] varchar(50),

[Website] varchar(50),

[Email] varchar(50),

[Phone] varchar(16),

PRIMARY KEY ([Id])

);

CREATE TABLE [Stores] (

[Id] int,

[Phone] varchar(15),

[FaxNumber] varchar(15),

[Email] varchar(30),

[AddressId] int,

[CompanyId] int,

PRIMARY KEY ([Id]),

CONSTRAINT [FK\_Stores.CompanyId]

FOREIGN KEY ([CompanyId])

REFERENCES [Companies]([Id])

);

CREATE TABLE [StoreDepartments] (

[StoreId] int,

[DepartmnetId] varchar(15),

PRIMARY KEY ([StoreId], [DepartmnetId]),

CONSTRAINT [FK\_StoreDepartments.DepartmnetId]

FOREIGN KEY ([DepartmnetId])

REFERENCES [Departments]([Id]),

CONSTRAINT [FK\_StoreDepartments.StoreId]

FOREIGN KEY ([StoreId])

REFERENCES [Stores]([Id])

);

CREATE TABLE [Cities] (

[Id] int,

[Name] varchar(50),

PRIMARY KEY ([Id])

);

CREATE TABLE [Countries] (

[Id] int,

[Name] varchar(50),

PRIMARY KEY ([Id])

);

CREATE TABLE [States] (

[Id] int,

[Name] varchar(50),

PRIMARY KEY ([Id])

);

CREATE TABLE [Address] (

[Id] int,

[StreetAddress] varchar(50),

[PostalCode] varchar(15),

[CityId] int,

[StateId] int,

[CountryId] int,

PRIMARY KEY ([Id]),

CONSTRAINT [FK\_Address.CityId]

FOREIGN KEY ([CityId])

REFERENCES [Cities]([Id]),

CONSTRAINT [FK\_Address.CountryId]

FOREIGN KEY ([CountryId])

REFERENCES [Countries]([Id]),

CONSTRAINT [FK\_Address.StateId]

FOREIGN KEY ([StateId])

REFERENCES [States]([Id])

);

CREATE TABLE [Employees] (

[Id] int,

[FirstName] varchar(15),

[LastName] varchar(15),

[Phone] varchar(15),

[DateOfBirth] date,

[JoiningDate] date,

[HourlyRate] float,

[AnualSalary] float,

[TaxFileNumber] varchar(15),

[IsManager] bit,

[IsSupervisor] bit,

[AddressId] int,

[DepartmnetId] varchar(15),

PRIMARY KEY ([Id]),

CONSTRAINT [FK\_Employees.DepartmnetId]

FOREIGN KEY ([DepartmnetId])

REFERENCES [Departments]([Id])

);

CREATE TABLE [Inventories] (

[Id] int,

[ProductNumber] varchar(15),

[StoreId] int,

[QuantityInStock] int,

[MinStockToReorder] int,

[UpdatedDate] date,

PRIMARY KEY ([Id]),

CONSTRAINT [FK\_Inventories.StoreId]

FOREIGN KEY ([StoreId])

REFERENCES [Stores]([Id]),

CONSTRAINT [FK\_Inventories.ProductNumber]

FOREIGN KEY ([ProductNumber])

REFERENCES [Products]([ProductNumber])

);

UPDATE [dbo].[Address]

SET [Id] = <Id, int,>

,[StreetAddress] = <StreetAddress, varchar(50),>

,[PostalCode] = <PostalCode, varchar(15),>

,[CityId] = <CityId, int,>

,[StateId] = <StateId, int,>

,[CountryId] = <CountryId, int,>

WHERE <Search Conditions,,>

UPDATE [dbo].[Brands]

SET [Id] = <Id, int,>

,[Name] = <Name, varchar(50),>

WHERE <Search Conditions,,>

UPDATE [dbo].[Categories]

SET [Id] = <Id, int,>

,[Name] = <Name, varchar(50),>

WHERE <Search Conditions,,>

UPDATE [dbo].[Cities]

SET [Id] = <Id, int,>

,[Name] = <Name, varchar(50),>

WHERE <Search Conditions,,>

UPDATE [dbo].[Companies]

SET [Id] = <Id, int,>

,[Name] = <Name, varchar(50),>

,[Website] = <Website, varchar(50),>

,[Email] = <Email, varchar(50),>

,[Phone] = <Phone, varchar(16),>

WHERE <Search Conditions,,>

UPDATE [dbo].[Countries]

SET [Id] = <Id, int,>

,[Name] = <Name, varchar(50),>

WHERE <Search Conditions,,>

UPDATE [dbo].[Customers]

SET [Id] = <Id, int,>

,[FirstName] = <FirstName, varchar(15),>

,[LastName] = <LastName, varchar(15),>

,[Phone] = <Phone, varchar(15),>

,[Email] = <Email, varchar(25),>

,[Username] = <Username, varchar(25),>

,[Password] = <Password, varchar(25),>

WHERE <Search Conditions,,>

UPDATE [dbo].[Departments]

SET [Id] = <Id, varchar(15),>

,[Name] = <Name, varchar(30),>

,[Phone] = <Phone, varchar(15),>

,[Email] = <Email, varchar(30),>

WHERE <Search Conditions,,>

UPDATE [dbo].[Employees]

SET [Id] = <Id, int,>

,[FirstName] = <FirstName, varchar(15),>

,[LastName] = <LastName, varchar(15),>

,[Phone] = <Phone, varchar(15),>

,[DateOfBirth] = <DateOfBirth, date,>

,[JoiningDate] = <JoiningDate, date,>

,[HourlyRate] = <HourlyRate, float,>

,[AnualSalary] = <AnualSalary, float,>

,[TaxFileNumber] = <TaxFileNumber, varchar(15),>

,[IsManager] = <IsManager, bit,>

,[IsSupervisor] = <IsSupervisor, bit,>

,[AddressId] = <AddressId, int,>

,[DepartmnetId] = <DepartmnetId, varchar(15),>

WHERE <Search Conditions,,>

UPDATE [dbo].[Inventories]

SET [Id] = <Id, int,>

,[ProductNumber] = <ProductNumber, varchar(15),>

,[StoreId] = <StoreId, int,>

,[QuantityInStock] = <QuantityInStock, int,>

,[MinStockToReorder] = <MinStockToReorder, int,>

,[UpdatedDate] = <UpdatedDate, date,>

WHERE <Search Conditions,,>

UPDATE [dbo].[Orders]

SET [Id] = <Id, int,>

,[Description] = <Description, varchar(750),>

,[TotalAmount] = <TotalAmount, float,>

,[DateOfOrder] = <DateOfOrder, datetime,>

,[Status] = <Status, varchar(25),>

,[Discount] = <Discount, float,>

,[PayableAmount] = <PayableAmount, float,>

,[ShipperId] = <ShipperId, int,>

,[PaymentId] = <PaymentId, int,>

,[CustomerId] = <CustomerId, int,>

WHERE <Search Conditions,,>

UPDATE [dbo].[Payments]

SET [Id] = <Id, int,>

,[Method] = <Method, varchar(50),>

WHERE <Search Conditions,,>

UPDATE [dbo].[ProductOrders]

SET [ProductNumber] = <ProductNumber, varchar(15),>

,[OrderId] = <OrderId, int,>

,[Quantity] = <Quantity, int,>

WHERE <Search Conditions,,>

UPDATE [dbo].[Products]

SET [ProductNumber] = <ProductNumber, varchar(15),>

,[Name] = <Name, varchar(200),>

,[Description] = <Description, varchar(750),>

,[Price] = <Price, float,>

,[AvailableDiscount] = <AvailableDiscount, float,>

,[UnitWeight] = <UnitWeight, float,>

,[BrandId] = <BrandId, int,>

,[CategoryId] = <CategoryId, int,>

WHERE <Search Conditions,,>

UPDATE [dbo].[ProductVendors]

SET [ProductNumber] = <ProductNumber, varchar(15),>

,[VendorId] = <VendorId, int,>

,[SupplyQuantity] = <SupplyQuantity, int,>

,[SupplyDate] = <SupplyDate, date,>

,[CostPerUnit] = <CostPerUnit, float,>

WHERE <Search Conditions,,>

UPDATE [dbo].[Shippers]

SET [Id] = <Id, int,>

,[CompanyName] = <CompanyName, varchar(50),>

,[Email] = <Email, varchar(25),>

,[Phone] = <Phone, varchar(25),>

WHERE <Search Conditions,,>

UPDATE [dbo].[States]

SET [Id] = <Id, int,>

,[Name] = <Name, varchar(50),>

WHERE <Search Conditions,,>

UPDATE [dbo].[StoreDepartments]

SET [StoreId] = <StoreId, int,>

,[DepartmnetId] = <DepartmnetId, varchar(15),>

WHERE <Search Conditions,,>

UPDATE [dbo].[Stores]

SET [Id] = <Id, int,>

,[Phone] = <Phone, varchar(15),>

,[FaxNumber] = <FaxNumber, varchar(15),>

,[Email] = <Email, varchar(30),>

,[AddressId] = <AddressId, int,>

,[CompanyId] = <CompanyId, int,>

WHERE <Search Conditions,,>

UPDATE [dbo].[Vendors]

SET [Id] = <Id, int,>

,[Name] = <Name, varchar(50),>

,[Phone] = <Phone, varchar(15),>

,[Email] = <Email, varchar(25),>

WHERE <Search Conditions,,>

DELETE FROM [dbo].[ADDRESS]

WHERE <Search Conditions,,>

DELETE FROM [dbo].[Brands]

WHERE <Search Conditions,,>

DELETE FROM [dbo].[Categories]

WHERE <Search Conditions,,>

DELETE FROM [dbo].[Cities]

WHERE <Search Conditions,,>

DELETE FROM [dbo].[Companies]

WHERE <Search Conditions,,>

DELETE FROM [dbo].[COUNTRY]

WHERE <Search Conditions,,>

DELETE FROM [dbo].[Customers]

WHERE <Search Conditions,,>

DELETE FROM [dbo].[Departments]

WHERE <Search Conditions,,>

DELETE FROM [dbo].[Employees]

WHERE <Search Conditions,,>

DELETE FROM [dbo].[Inventories]

WHERE <Search Conditions,,>

DELETE FROM [dbo].[Orders]

WHERE <Search Conditions,,>

DELETE FROM [dbo].[Payments]

WHERE <Search Conditions,,>

DELETE FROM [dbo].[Products]

WHERE <Search Conditions,,>

DELETE FROM [dbo].[ProductOrders]

WHERE <Search Conditions,,>

DELETE FROM [dbo].[ProductVendors]

WHERE <Search Conditions,,>

DELETE FROM [dbo].[Shippers]

WHERE <Search Conditions,,>

DELETE FROM [dbo].[States]

WHERE <Search Conditions,,>

DELETE FROM [dbo].[Stores]

WHERE <Search Conditions,,>

DELETE FROM [dbo].[StoreDepartments]

WHERE <Search Conditions,,>

DELETE FROM [dbo].[Vendors]

WHERE <Search Conditions,,>