CREATE TABLE SalesLT.Address (

AddressID INT PRIMARY KEY NOT NULL,

AddressLine1 NVARCHAR(60) NOT NULL,

AddressLine2 NVARCHAR(60),

City NVARCHAR(30) NOT NULL,

StateProvince NVARCHAR(50) NOT NULL,

CountryRegion NVARCHAR(50) NOT NULL,

PostalCode NVARCHAR(15) NOT NULL,

ModifiedDate DATETIME NOT NULL

);

CREATE TABLE SalesLT.Customer (

CustomerID INT PRIMARY KEY NOT NULL,

NameStyle BIT NOT NULL,

Title NVARCHAR(8),

FirstName NVARCHAR(50) NOT NULL,

MiddleName NVARCHAR(50),

LastName NVARCHAR(50) NOT NULL,

Suffix NVARCHAR(10),

CompanyName NVARCHAR(128),

SalesPerson NVARCHAR(256),

EmailAddress NVARCHAR(50),

Phone NVARCHAR(25),

PasswordHash VARCHAR(128) NOT NULL,

PasswordSalt VARCHAR(10) NOT NULL,

ModifiedDate DATETIME NOT NULL

);

CREATE TABLE SalesLT.CustomerAddress (

CustomerID INT NOT NULL,

AddressID INT NOT NULL,

AddressType NVARCHAR(50) NOT NULL,

ModifiedDate DATETIME NOT NULL,

PRIMARY KEY (CustomerID, AddressID),

FOREIGN KEY (CustomerID) REFERENCES SalesLT.Customer(CustomerID),

FOREIGN KEY (AddressID) REFERENCES SalesLT.Address(AddressID)

);

CREATE TABLE SalesLT.Product (

ProductID INT PRIMARY KEY NOT NULL,

Name NVARCHAR(50) NOT NULL,

ProductNumber NVARCHAR(25) NOT NULL,

Color NVARCHAR(15),

StandardCost MONEY NOT NULL,

ListPrice MONEY NOT NULL,

Size NVARCHAR(5),

Weight DECIMAL(8,2),

ProductCategoryID INT,

ProductModelID INT,

SellStartDate DATETIME NOT NULL,

SellEndDate DATETIME,

DiscontinuedDate DATETIME,

ThumbNailPhoto VARBINARY(MAX),

ThumbnailPhotoFileName NVARCHAR(50),

ModifiedDate DATETIME NOT NULL,

FOREIGN KEY (ProductCategoryID) REFERENCES SalesLT.ProductCategory(ProductCategoryID),

FOREIGN KEY (ProductModelID) REFERENCES SalesLT.ProductModel(ProductModelID)

);

CREATE TABLE SalesLT.ProductCategory (

ProductCategoryID INT PRIMARY KEY NOT NULL,

ParentProductCategoryID INT,

Name NVARCHAR(50) NOT NULL,

ModifiedDate DATETIME NOT NULL,

FOREIGN KEY (ParentProductCategoryID) REFERENCES SalesLT.ProductCategory(ProductCategoryID)

);

CREATE TABLE SalesLT.ProductDescription (

ProductDescriptionID INT PRIMARY KEY NOT NULL,

Description NVARCHAR(400) NOT NULL,

ModifiedDate DATETIME NOT NULL

);

CREATE TABLE SalesLT.ProductModel (

ProductModelID INT PRIMARY KEY NOT NULL,

Name NVARCHAR(50) NOT NULL,

CatalogDescription XML NULL,

rowguid UNIQUEIDENTIFIER NOT NULL,

ModifiedDate DATETIME NOT NULL

);

CREATE TABLE SalesLT.ProductModelDescription (

ProductModelID INT,

ProductDescriptionID INT,

Culture NVARCHAR(6),

rowguid UNIQUEIDENTIFIER,

ModifiedDate DATETIME,

FOREIGN KEY (ProductModelID) REFERENCES SalesLT.ProductModel(ProductModelID),

FOREIGN KEY (ProductDescriptionID) REFERENCES SalesLT.ProductDescription(ProductDescriptionID)

);

CREATE TABLE SalesLT.SalesOrderDetails (

SalesOrderID INT NOT NULL,

SalesOrderDetailID INT NOT NULL PRIMARY KEY,

CarrierTrackingNumber NVARCHAR(25) NULL,

OrderQty SMALLINT NOT NULL,

ProductID INT NOT NULL,

SpecialOfferID INT NOT NULL,

UnitPrice MONEY NOT NULL,

UnitPriceDiscount MONEY NOT NULL,

LineTotal NUMERIC(38,6) NOT NULL,

ModifiedDate DATETIME NOT NULL ,

CONSTRAINT FK\_SalesOrderDetails\_SalesOrderHeader FOREIGN KEY (SalesOrderID) REFERENCES SalesLT.SalesOrderHeader(SalesOrderID),

CONSTRAINT FK\_SalesOrderDetails\_Product FOREIGN KEY (ProductID) REFERENCES SalesLT.Product(ProductID),

);

CREATE TABLE SalesLT.SalesOrderHeader (

SalesOrderID INT NOT NULL PRIMARY KEY,

RevisionNumber TINYINT NOT NULL DEFAULT 0,

OrderDate DATETIME NOT NULL ,

DueDate DATETIME NOT NULL,

ShipDate DATETIME NULL,

Status TINYINT NOT NULL,

OnlineOrderFlag BIT NOT NULL,

SalesOrderNumber NVARCHAR(25) NOT NULL,

PurchaseOrderNumber NVARCHAR(25) NULL,

AccountNumber NVARCHAR(15) NULL,

CustomerID INT NOT NULL,

CreditCardApprovalCode VARCHAR(15) NULL,

CurrencyRateID INT NULL,

ModifiedDate DATETIME NOT NULL,

BillToAddressID INT NOT NULL,

ShipToAddressID INT NOT NULL,

ShipMethodID INT NOT NULL,

CreditCardID INT NULL,

CONSTRAINT FK\_SalesOrderHeader\_Customer FOREIGN KEY (CustomerID) REFERENCES SalesLT.Customer(CustomerID),

);

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CREATE TABLE dbo.DimCustomer (

CustomerKey INT NOT NULL PRIMARY KEY,

CustomerAltKey INT NOT NULL,

CompanyName NVARCHAR(128) NULL,

Name NVARCHAR(50) NULL,

Title NVARCHAR(8) NULL,

Phone NVARCHAR(25) NULL,

Email NVARCHAR(50) NULL,

Address NVARCHAR(60) NULL,

City NVARCHAR(50) NULL,

State NVARCHAR(50) NULL,

Country NVARCHAR(50) NULL

);

CREATE TABLE dbo.DimProduct (

ProductKey INT NOT NULL PRIMARY KEY,

ProductAltKey INT NOT NULL,

Model NVARCHAR(50) NULL,

Category NVARCHAR(50) NULL,

SubCategory NVARCHAR(50) NULL,

Description NVARCHAR(400) NULL,

Size NVARCHAR(20) NULL,

Color NVARCHAR(20) NULL,

Cost MONEY NULL,

Price MONEY NULL

);

CREATE TABLE dbo.DimDate (

DateKey INT NOT NULL PRIMARY KEY,

Month INT NULL,

MonthName NVARCHAR(20) NULL,

Quarter INT NULL,

StartOfMonth DATE NULL,

StartOfQuarter DATE NULL,

Year INT NULL

);

CREATE TABLE dbo.FactSales (

DateKey INT NOT NULL,

CustomerKey INT NOT NULL,

ProductKey INT NOT NULL,

SalesOrderID INT NOT NULL,

SalesOrderDetailID INT NOT NULL PRIMARY KEY,

OrderDate DATETIME NULL,

Quantity INT NULL,

UnitPrice MONEY NULL,

Discount MONEY NULL,

LineTotal MONEY NULL,

-- Foreign Keys

CONSTRAINT FK\_FactSales\_DimCustomer FOREIGN KEY (CustomerKey) REFERENCES dbo.DimCustomer(CustomerKey),

CONSTRAINT FK\_FactSales\_DimProduct FOREIGN KEY (ProductKey) REFERENCES dbo.DimProduct(ProductKey),

CONSTRAINT FK\_FactSales\_Date FOREIGN KEY (DateKey) REFERENCES dbo.DimDate(DateKey)

);