use ist722\_mafudge\_cb4\_dw

GO

/\*create schema customersatisfaction\*/

DROP TABLE customersatisfaction.Fact\_AccountTitles;

DROP TABLE customersatisfaction.FactReview;

DROP TABLE customersatisfaction.DimPlans;

DROP TABLE customersatisfaction.DimCustomerAccount;

DROP TABLE customersatisfaction.DimTitles;

DROP TABLE customersatisfaction.DimProduct;

DROP TABLE customersatisfaction.DimVendor;

DROP TABLE customersatisfaction.DimDate;

CREATE TABLE customersatisfaction.DimDate(

[DateKey] [int] NOT NULL,

[Date] [datetime] NULL,

[FullDateUSA] [nchar](10) NOT NULL,

[DayOfWeek] [tinyint] NOT NULL,

[DayName] [nvarchar](10) NOT NULL,

[DayOfMonth] [tinyint] NOT NULL,

[DayOfYear] [int] NOT NULL,

[WeekOfYear] [tinyint] NOT NULL,

[MonthName] [nvarchar](10) NOT NULL,

[MonthOfYear] [tinyint] NOT NULL,

[Quarter] [tinyint] NOT NULL,

[QuarterName] [nvarchar](10) NOT NULL,

[Year] [int] NOT NULL,

[IsAWeekday] varchar(1) NOT NULL DEFAULT (('N')),

constraint pkNorthwindDimDate PRIMARY KEY ([DateKey])

)

CREATE TABLE customersatisfaction.DimPlans(

[PlanKey] int IDENTITY NOT NULL,

[plan\_id] int NOT NULL,

[plan\_name] varchar(50) NOT NULL,

[plan\_price] money NOT NULL,

[plan\_current] bit NOT NULL,

-- metadata

[RowIsCurrent] bit DEFAULT 1 NOT NULL

, [RowStartDate] datetime DEFAULT '12/31/1899' NOT NULL

, [RowEndDate] datetime DEFAULT '12/31/9999' NOT NULL

, [RowChangeReason] nvarchar(200) NULL

CONSTRAINT [PK\_customersatisfaction.DimPlans] PRIMARY KEY CLUSTERED ( [PlanKey] )

);

CREATE TABLE customersatisfaction.DimCustomerAccount(

[CustomerKey] int IDENTITY NOT NULL,

[customer\_source] varchar(9) NOT NULL,

[account\_id] int ,

[account\_email] varchar(200),

[account\_firstname] varchar(50),

[account\_lastname] varchar(50),

[account\_address] varchar(1000),

[account\_zipcode] char(5),

[account\_PlanKey] int,

[account\_opened\_on] datetime,

[customer\_id] int,

[customer\_email] varchar(100),

[customer\_firstname] varchar(50),

[customer\_lastname] varchar(50),

[customer\_address] varchar(255),

[customer\_city] varchar(50),

[customer\_state] char(2),

[customer\_zip] varchar(20),

[customer\_phone] varchar(30),

[customer\_fax] varchar(30)

-- metadata

, [RowIsCurrent] bit DEFAULT 1 NOT NULL

, [RowStartDate] datetime DEFAULT '12/31/1899' NOT NULL

, [RowEndDate] datetime DEFAULT '12/31/9999' NOT NULL

, [RowChangeReason] nvarchar(200) NULL

CONSTRAINT [PK\_customersatisfaction.DimCustomerAccount] PRIMARY KEY CLUSTERED

( [CustomerKey] ),

CONSTRAINT [FK\_customersatisfaction\_Customer\_Plans] FOREIGN KEY (account\_PlanKey)

REFERENCES customersatisfaction.DimPlans(PlanKey),

) ;

CREATE TABLE customersatisfaction.DimVendor(

[VendorKey] int IDENTITY NOT NULL,

[vendor\_id] int NOT NULL ,

[vendor\_name] varchar(50) NOT NULL,

[vendor\_phone] varchar(20) NOT NULL,

[vendor\_website] varchar(1000)

-- metadata

, [RowIsCurrent] bit DEFAULT 1 NOT NULL

, [RowStartDate] datetime DEFAULT '12/31/1899' NOT NULL

, [RowEndDate] datetime DEFAULT '12/31/9999' NOT NULL

, [RowChangeReason] nvarchar(200) NULL

CONSTRAINT [PK\_customersatisfaction.DimVendor] PRIMARY KEY CLUSTERED ( [VendorKey] )

);

CREATE TABLE customersatisfaction.DimProduct(

[ProductKey] int IDENTITY NOT NULL,

[product\_id] int NOT NULL ,

[product\_department] varchar(20) NOT NULL,

[product\_name] varchar(50) NOT NULL,

[product\_retail\_price] money NOT NULL,

[product\_wholesale\_price] money NOT NULL,

[product\_is\_active] bit NOT NULL,

[product\_add\_date] datetime NOT NULL,

[product\_VendorKey] int NOT NULL,

[product\_description] varchar(1000)

-- metadata

, [RowIsCurrent] bit DEFAULT 1 NOT NULL

, [RowStartDate] datetime DEFAULT '12/31/1899' NOT NULL

, [RowEndDate] datetime DEFAULT '12/31/9999' NOT NULL

, [RowChangeReason] nvarchar(200) NULL

CONSTRAINT [PK\_customersatisfaction.DimProduct] PRIMARY KEY CLUSTERED ( [ProductKey] ),

CONSTRAINT [FK\_customersatisfaction\_Vendor\_Product] FOREIGN KEY (product\_VendorKey)

REFERENCES customersatisfaction.DimVendor( VendorKey),

);

CREATE TABLE customersatisfaction.FactReview(

[CustomerKey] int NOT NULL,

[ProductKey] int NOT NULL,

[review\_date\_key] int NOT NULL,

[review\_stars] int NOT NULL,

CONSTRAINT [PK\_customersatisfaction.FactReview] PRIMARY KEY NONCLUSTERED ( [CustomerKey],[ProductKey]),

CONSTRAINT [FK\_customersatisfaction\_Fact\_Product] FOREIGN KEY (ProductKey)

REFERENCES customersatisfaction.DimProduct( ProductKey),

CONSTRAINT [FK\_customersatisfaction\_Fact\_Customer] FOREIGN KEY (CustomerKey)

REFERENCES customersatisfaction.DimCustomerAccount( CustomerKey),

CONSTRAINT [FK\_customersatisfaction\_Fact\_Date] FOREIGN KEY (review\_date\_key)

REFERENCES customersatisfaction.DimDate( DateKey)

);

CREATE TABLE customersatisfaction.DimTitles(

[TitleKey] int IDENTITY NOT NULL,

[title\_id] int NOT NULL,

[title\_name] varchar(20) NOT NULL,

[title\_type] varchar(20) NOT NULL,

[title\_synopsis] varchar(max)NOT NULL,

[title\_avg\_rating] decimal(18,2) NOT NULL,

[title\_release\_year] int NOT NULL,

[title\_runtime] int NOT NULL,

[title\_rating] varchar(20) NOT NULL

-- metadata

, [RowIsCurrent] bit DEFAULT 1 NOT NULL

, [RowStartDate] datetime DEFAULT '12/31/1899' NOT NULL

, [RowEndDate] datetime DEFAULT '12/31/9999' NOT NULL

, [RowChangeReason] nvarchar(200) NULL

CONSTRAINT [PK\_customersatisfaction.DimTitles] PRIMARY KEY CLUSTERED ( [TitleKey])

);

CREATE TABLE customersatisfaction.Fact\_AccountTitles(

[AccountKey] int NOT NULL,

[at\_id] int NOT NULL,

[CustomerKey] int NOT NULL,

[TitleKey]int NOT NULL,

[at\_queue\_date\_key] int NOT NULL,

[at\_shipped\_date\_key] int,

[at\_returned\_date\_key] int ,

[at\_rating] int,

[days\_toShip] int Null,

[days\_toReturn] int Null,

CONSTRAINT [PK\_customersatisfaction.FactAccountTitles] PRIMARY KEY CLUSTERED ( [AccountKey]),

CONSTRAINT [FK\_customersatisfaction\_Fact\_AccountTitles\_Customer] FOREIGN KEY (CustomerKey)

REFERENCES customersatisfaction.DimCustomerAccount( CustomerKey),

CONSTRAINT [FK\_customersatisfaction\_Fact\_AccountTitles\_Title] FOREIGN KEY (TitleKey)

REFERENCES customersatisfaction.DimTitles(TitleKey),

CONSTRAINT [FK\_customersatisfaction\_Fact\_Date1] FOREIGN KEY (at\_queue\_date\_key)

REFERENCES customersatisfaction.DimDate( DateKey),

CONSTRAINT [FK\_customersatisfaction\_Fact\_Date2] FOREIGN KEY (at\_shipped\_date\_key)

REFERENCES customersatisfaction.DimDate( DateKey),

CONSTRAINT [FK\_customersatisfaction\_Fact\_Date3] FOREIGN KEY (at\_returned\_date\_key)

REFERENCES customersatisfaction.DimDate( DateKey)

);