CREATE DATABASE Movie;  
USE Movie;  
  
CREATE TABLE DimMovie (MovieKey INT NOT NULL IDENTITY (1,1),  
title varchar(500),  
certificate varchar(255),  
runtime int,  
genres varchar(500),  
rating real,  
CONSTRAINT DimMovie\_PK PRIMARY KEY (MovieKey));  
  
  
CREATE TABLE DimDate(Date Datetime,  
                      Year INT,  
 Month INT,  
 Day INT,  
 WeekDayValue INT,  
 MonthValueName VARCHAR(20),  
 WeekDayValueName VARCHAR(20),  
CONSTRAINT DimDate\_PK PRIMARY KEY (Date));  
  
  
  DECLARE @StartDate DATE = '2019-01-01';  
  DECLARE @EndDate DATE = '2019-12-31';  
  WHILE @StartDate <= @EndDate  
  BEGIN  
INSERT INTO  DimDate(Date,  
                    Year,  
Month,  
Day,  
WeekDayValue,  
MonthValueName,  
WeekDayValueName )  
VALUES(@StartDate,  
       DATEPART(YY, @StartDate),  
DATEPART(mm, @StartDate),  
DATEPART(dd, @StartDate),  
DATEPART(dw, @StartDate),  
DATENAME(mm, @StartDate),  
DATENAME(dw, @StartDate))  
  
SET @StartDate = DATEADD(dd, 1, @StartDate)  
  END;

CREATE TABLE FactMovie (RowKey INT NOT NULL IDENTITY (1,1),  
 Date Datetime,  
 Day int,  
 Top10Gross money,  
 Title varchar(500),  
 Top1Gross money,  
 MovieKey int,  
 CONSTRAINT FactMovie\_PK PRIMARY KEY (RowKey),  
 CONSTRAINT FactMovie\_FK  FOREIGN KEY (MovieKey) REFERENCES DimMovie(MovieKey),  
  CONSTRAINT FactMovie\_FK2  FOREIGN KEY (Date) REFERENCES DimDate(Date));

**Query for View:**

Create View Rating(MovieTitle, IMDBRating, NoOfDaysAsTopGrosser)  
  As Select [Movie3].[dbo].[FactMovie].Title, [Movie3].[dbo].[DimMovie].rating, COUNT(DISTINCT [Movie3].[dbo].[FactMovie].Date)  
  FROM [Movie3].[dbo].[FactMovie], [Movie3].[dbo].[DimMovie]  
  WHERE [Movie3].[dbo].[FactMovie].Title = [Movie3].[dbo].[DimMovie].title  
  GROUP BY [Movie3].[dbo].[FactMovie].Title, [Movie3].[dbo].[DimMovie].rating;  
  
  Select \* from Rating;