Project Report
On
Online Movie Management System

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Data Mgt And Database Design Sec 03 - Spring 2017
Northeastern University, Boston

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CONTENTS:

OVERVIEW:

The objective of the project is to design database for an online movie management system wherein there are two important entities viz. movies and users. Popular website IMDB is taken as a reference to define most of the entities and relationships. For simplicity, some of the relationships and attributes, are obviously modified.

SUMMARY:

- Users can search for movies, movie actors, movie directors, movie writers, languages, soundmix, and other description of movies.
- Also, they can rate and review movies.

Some of the possible queries for which this database can be used are as under:

- Knowing actor's/director's/writer's name, a user might want to see the movies that the person is associated with.

- Knowing the movie name a user might want to see out who are the cast and crew associated with.

- A user may want to see the movie description, plot synopsis and summary of a movie by using the movie name.

- A user can rate and/or review a movie.

- A user might want to know director with most movies directed, or actor with number of years in the industry of a writer with number of literary awards won.

- A user may also want to see an award with the movie associated and its nomination and won status.

- A user may want to see a movie by genre and by languages.

- A user might consider knowing finding a movie by a soundtrack in the movie.

- A user can see the language of the movie and see if he/she is interested in watching the movie.

- A movie can possibly be available in online video mode or on disc. A user might be interested in seeing the links of the amazon movie options.

- A user can decide on a movie by looking for MPAA classification of the movie.

- A user can see the release date of a movie and get an idea about in-theatre movie option.
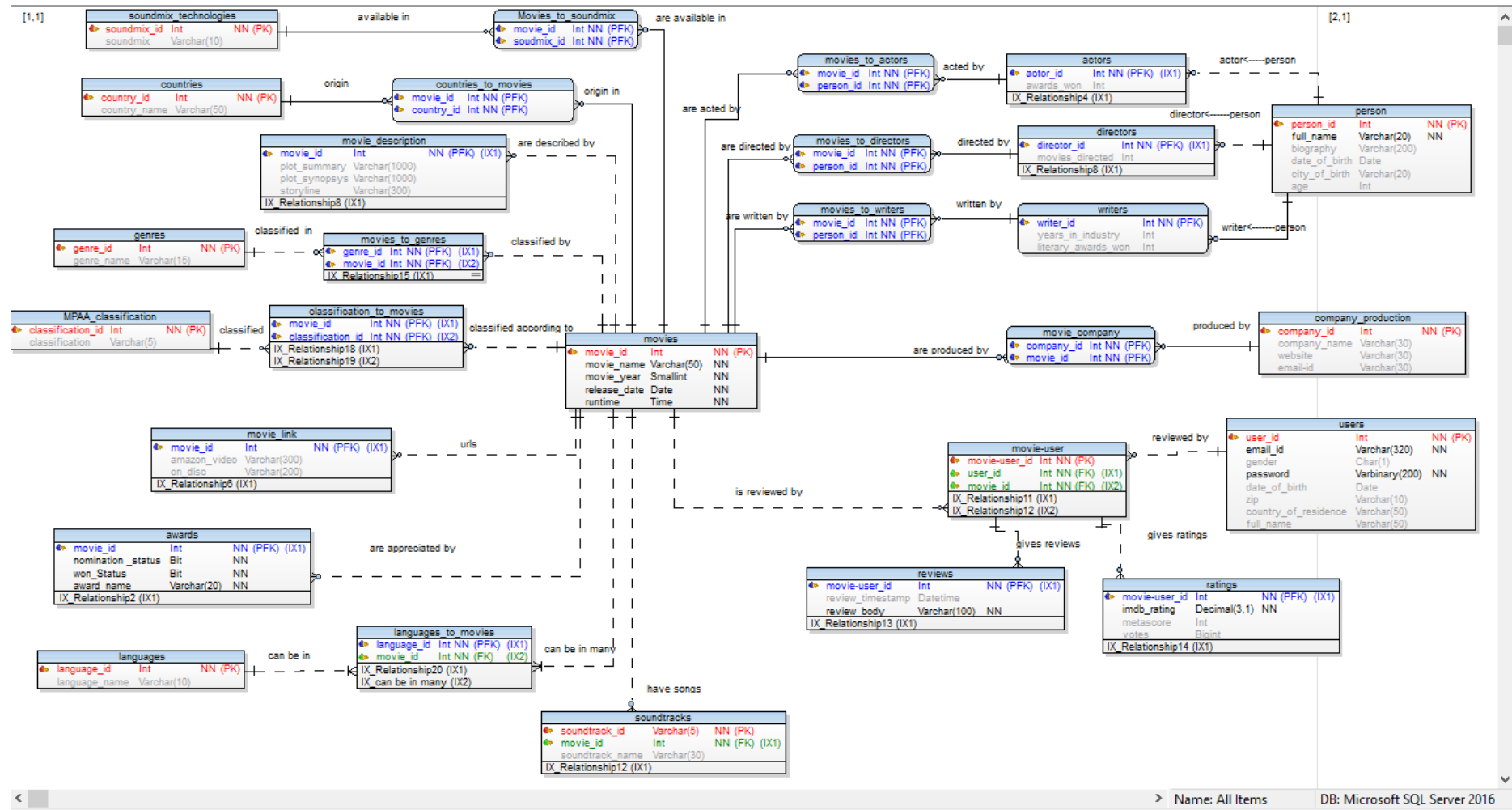
USE CASE DIAGRAM:
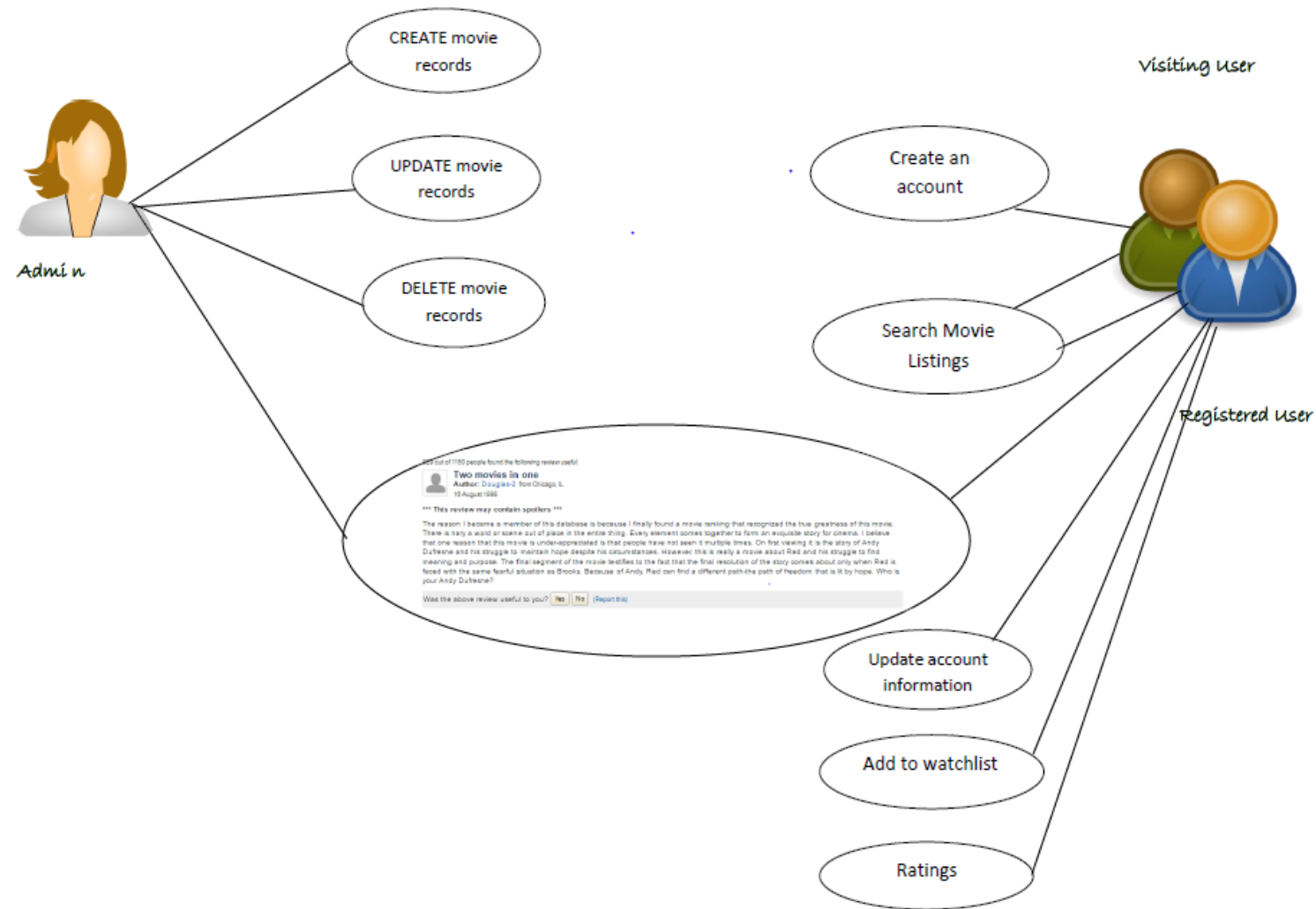
INITIAL ER Diagram:
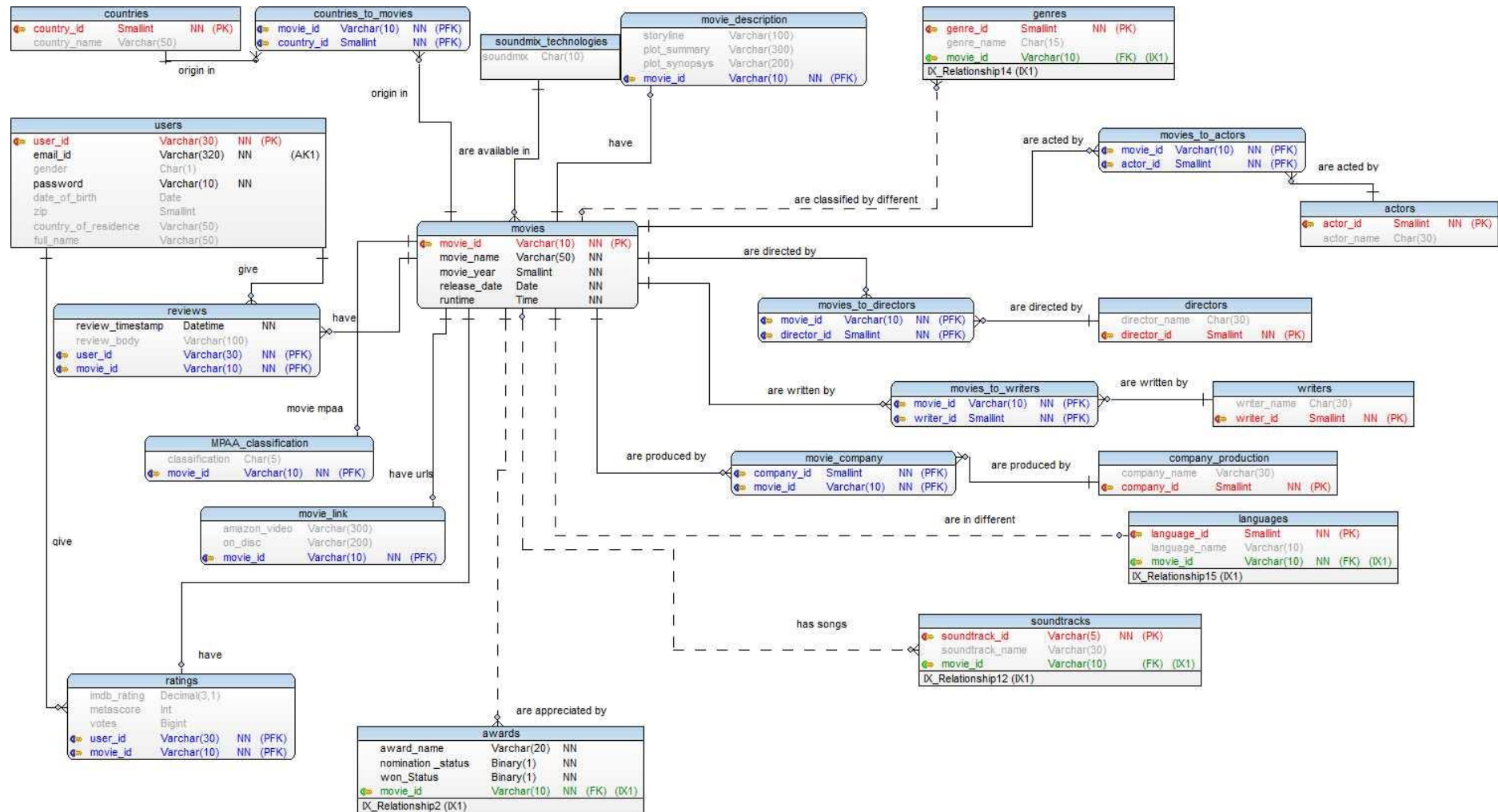
Extended ERD:

Normalised tables and re-created EER diagram to remove transient and functional dependencies. The main aim was to remove any possible redundant data in a table.

IMPLEMENTATION STEPS:

Step1: Generated basic script from Toad for MS-SQL server (table creation queries were alphabetical). Added sys.database auto creation query batch.

Step2: Removed clustering and restriction add errors. Changed the order of queries according to relationships.

Step3: Populated the tables with INSERT and TRANSACTION-COMMIT commands.

Step4: Tested the database with simple queries like joining two tables.

Step5: Created necessary TRIGGERS, VIEWS, STORED PROCEDURES and USER- FUNCTIONS.

PROCEDURES/TRIGGERS/VIEWS/FUNCTIONS:

1. Procedure: I already had date of birth column in person table and didn't want to put age as a separate column.

So, this procedure computed age column for me.

2.Procedure: I used procedure to delete two records for language 'Mandarin' in languages table. See INSERT section for more details.

```
CREATE PROCEDURE [dbo].[DeleteDuplicatelanguage_name]
@languages VARCHAR(30),
@language_name VARCHAR(30)
AS
BEGIN
        DECLARE @Temp NVARCHAR(500)
        SET @Temp=N'DELETE duplicates
                                FROM (SELECT ROW_NUMBER()
                                OVER (PARTITION BY ' + @languages+ ' ORDER BY ' + @language_name + ') rownumber
                                FROM ' + @languages +') duplicates
                                WHERE duplicates.rownumber > 1';
        EXEC(@Temp);
END

GO
```

3. TRIGGER: I used the trigger below to update timestamp column to current timestamp.

c

```
862   --trigger to create review timestamp column--
863   CREATE TRIGGER review_timestamp
864   ON [dbo].[reviews]
865   AFTER INSERT AS
866   BEGIN
867       UPDATE [dbo].[reviews] SET [review_timestamp]=CURRENT_TIMESTAMP
868           WHERE [mov-user_id]=(SELECT [mov-user_id] FROM inserted)
869   END
870   GO
871
872   ------Q: SELECT * FROM reviews
873   --trigger to encrypt password column--
874   CREATE TRIGGER EncryptUserPassword
875   ON [dbo].[users]
876   AFTER INSERT AS
877   BEGIN
878       CREATE MASTER KEY
879       ENCRYPTION BY PASSWORD = 'TEst_P@ss';
880
```

%

Results   Messages

review_timestamp	review_body	mov-user_id
2017-04-20 21:22:10.320	Tied for the best movie I have ever seen.	1
2017-04-20 21:22:10.320	It is a simple film, yet it has an everlasting m...	2
2017-04-20 21:22:10.320	A classic piece of unforgettable film-making	3
2017-04-20 21:22:10.320	I was so impressed with how every single s...	4
2017-04-20 21:22:10.320	One of the finest films made in recent years....	5

4. TRIGGER: Users table was storing passwords for logging in to user accounts. I wanted to encrypt this column and drop the Database Master Key as well as a SECURITY measure. For this , I had to CAST *varchar* data type of password column as *varbinary*. See insert section for more details.

```sql
873   --trigger to encrypt password column--
874   CREATE TRIGGER EncryptUserPassword
875   ON [dbo].[users]
876   AFTER INSERT AS
877   BEGIN
878       CREATE MASTER KEY
879       ENCRYPTION BY PASSWORD = 'TEst_P@ss';
880
881       CREATE CERTIFICATE TestCerti
882       WITH SUBJECT = 'Manage_movie Test Certificate',
883       EXPIRY_DATE = '2018-12-31';
884
885       CREATE SYMMETRIC KEY TestSymmKey
886       WITH ALGORITHM = AES_128
887       ENCRYPTION BY CERTIFICATE TestCerti;
888
889       OPEN SYMMETRIC KEY TestSymmKey DECRYPTION BY CERTIFICATE TestCerti;
890
891       UPDATE [dbo].[users] SET [password]=(EncryptByKey(Key_GUID(N'TestSymmKey'), (SELECT [password] FROM inserted)))
892       WHERE user_id = (SELECT user_id FROM inserted);
893
894       CLOSE SYMMETRIC KEY TestSymmKey;
895       DROP SYMMETRIC KEY TestSymmKey;
896
897       DROP CERTIFICATE TestCerti;
898       DROP MASTER KEY;
899   END
900   GO
```

user_id	email_id	gender	password	date_of_birth	zip	country_of_residence	full_name
1	shina.goel@gmail.com	F	0x0015FA0E737A68418A66DD1635F8B901010000009E8422...	1994-02-12	2120	USA	Shina Goel
2	Sardana@gmail.com	F	0x00A705890703D348996C6F02E65C33B001000000825FCA9...	1994-03-04	2125	USA	Himani S...
3	sweetgirl@gmail.com	F	0x0011F6FFAA45474AA6ED1713A647B92601000000B362B4...	1972-03-04	2120	USA	Lindsay ...

5. VIEW: This view was created to avoid rewriting entire queries to join movies and country tables.

6. VIEW: This was similarly created for movies and language tables.

```
792
793    --view on country and movies----
794
795  ⊟CREATE VIEW movie_in_country
796    AS
797    SELECT m.movie_id, m.movie_name, m.release_date, c.country_name
798    FROM movies m
799    JOIN countries_to_movies c2m
800        ON m.movie_id = c2m.movie_id
801    JOIN countries c
802        ON c2m.country_id = c.country_id;
803    GO
804  ⊟--Q: select * from movie_in_country
805
806    --view on language and movies---
807  ⊟CREATE VIEW movie_in_language
808    AS
809    SELECT m.movie_id, m.movie_name, m.release_date, l.language_name
810    FROM movies m
811    JOIN languages_to_movies l2m
812        ON m.movie_id = l2m.movie_id
813    JOIN languages l
814        ON l2m.language_id = l.language_id;
815    GO
816  ⊟--Q: select * from movie_in_language
```

9 %

Results   Messages

	movie_id	movie_name	release_date	country_name
1	1	The Shawshank Redemption	1994-01-11	India
2	2	The Godfather	1972-03-21	England
3	3	Arabian Nights	1936-04-22	France
4	4	The Dark Knight	1974-03-21	Germany
5	5	The Dark Knight Rises	1978-02-22	United States of America

7. FUNCTION: This function returns director with most directed movies using simple max function.

```
817
818
819    --user function to extract Director with most movies directed--
820    CREATE FUNCTION [GetDirectorWithMostDirectedMovies]()
821    RETURNS VARCHAR(20) AS
822    BEGIN
823        DECLARE @Movies_directed int
824        SET @Movies_directed = (SELECT max(movies_directed) FROM directors)
825
826        DECLARE @Person_id int
827        SET @Person_id = (SELECT director_id FROM directors WHERE movies_directed = @Movies_directed)
828
829        DECLARE @Director_name VARCHAR(20)
830        SET @Director_name = (SELECT full_name FROM person WHERE person_id = @Person_id)
831
832        return @Director_name
833    END
834    GO
835    --Q:
836    /*DECLARE @Res VARCHAR(20)
837    EXEC @Res = [GetDirectorWithMostDirectedMovies]
838    SELECT @Res AS DirectorWithMostDirectedMovies*/
839
```

89 %

Results | Messages

	DirectorWithMostDirectedMovies
1	Barry Jenkins

8.FUNCTION: This function returns writers with most literary awards won:

```
CREATE FUNCTION [dbo].[GetWriterWithMostMostLiteraryAwardsWon]()
RETURNS VARCHAR(20) AS
BEGIN
        DECLARE @Awards_won int
        SET @Awards_won = (SELECT max(literary_awards_won) FROM writers)

        DECLARE @Person_id2 int
        SET @Person_id2 = (SELECT writer_id FROM writers WHERE literary_awards_won = @Awards_won)

        DECLARE @Writer_name VARCHAR(20)
        SET @Writer_name = (SELECT full_name FROM person WHERE person_id = @Person_id2)

        return @Writer_name
END
```

DATABASE DIAGRAM:

After, I generated script from Microsoft SQL Server to reorder queries and paste in this document, I created ER diagram from database itself. I compared ERR from toad model to this one and all the relationships were entirely the same.
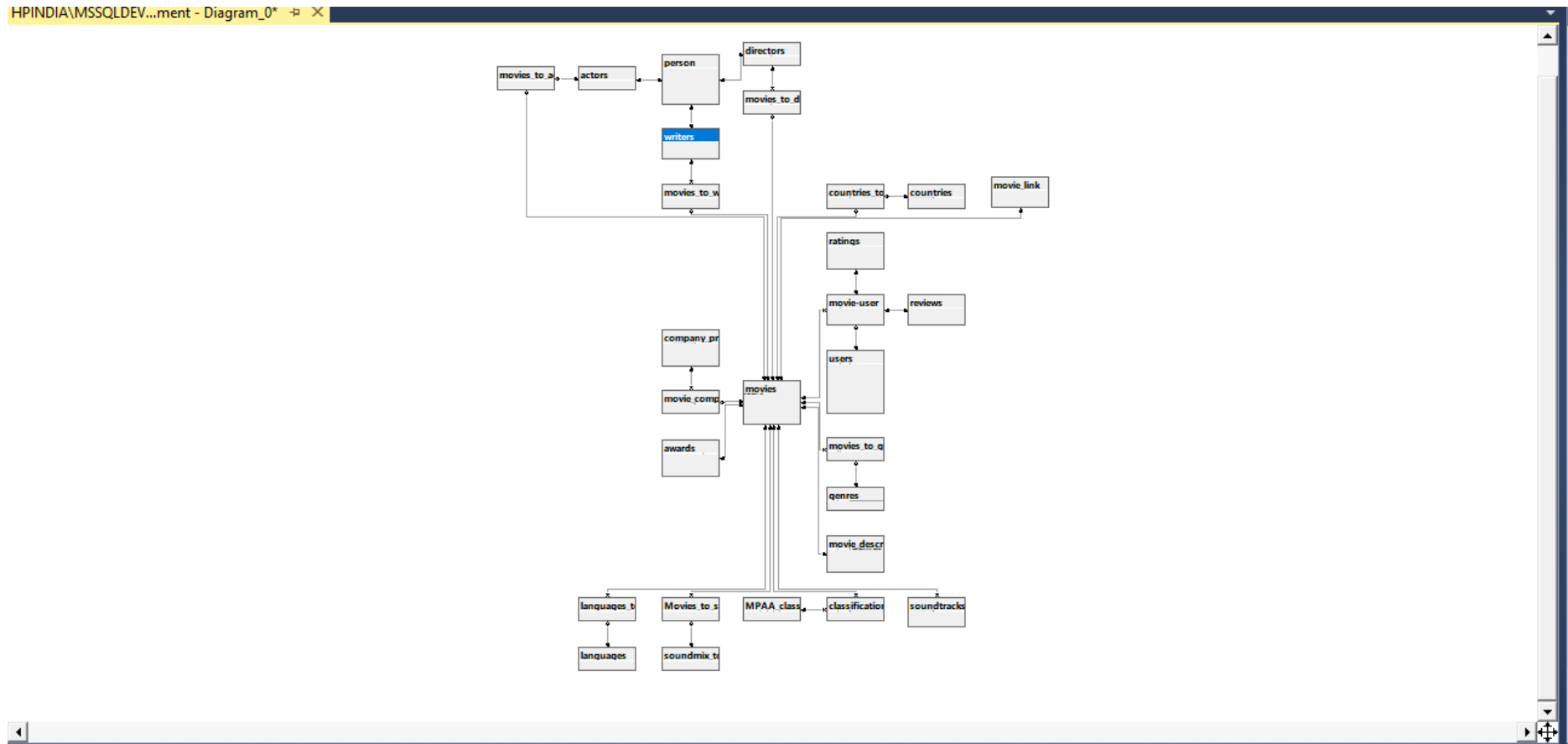
--SCRIPT:

```
USE [master]
GO
/****** Object:  Database [movie_management]    Script Date: 20-04-2017 21:34:40 ******/
CREATE DATABASE [movie_management]
 CONTAINMENT = NONE
 ON  PRIMARY
( NAME = N'movie_management', FILENAME = N'C:\Program Files\Microsoft SQL Server\MSSQL13.MSSQLDEV16\MSSQL\DATA\movie_management.mdf' ,
SIZE = 8192KB , MAXSIZE = UNLIMITED, FILEGROWTH = 65536KB )
 LOG ON
( NAME = N'movie_management_log', FILENAME = N'C:\Program Files\Microsoft SQL
Server\MSSQL13.MSSQLDEV16\MSSQL\DATA\movie_management_log.ldf' , SIZE = 8192KB , MAXSIZE = 2048GB , FILEGROWTH = 65536KB )
GO
ALTER DATABASE [movie_management] SET COMPATIBILITY_LEVEL = 130
GO
IF (1 = FULLTEXTSERVICEPROPERTY('IsFullTextInstalled'))
begin
EXEC [movie_management].[dbo].[sp_fulltext_database] @action = 'enable'
end
GO
ALTER DATABASE [movie_management] SET ANSI_NULL_DEFAULT OFF
GO
ALTER DATABASE [movie_management] SET ANSI_NULLS OFF
GO
ALTER DATABASE [movie_management] SET ANSI_PADDING OFF
GO
ALTER DATABASE [movie_management] SET ANSI_WARNINGS OFF
GO
ALTER DATABASE [movie_management] SET ARITHABORT OFF
GO
ALTER DATABASE [movie_management] SET AUTO_CLOSE OFF
```

```
GO
ALTER DATABASE [movie_management] SET AUTO_SHRINK OFF
GO
ALTER DATABASE [movie_management] SET AUTO_UPDATE_STATISTICS ON
GO
ALTER DATABASE [movie_management] SET CURSOR_CLOSE_ON_COMMIT OFF
GO
ALTER DATABASE [movie_management] SET CURSOR_DEFAULT  GLOBAL
GO
ALTER DATABASE [movie_management] SET CONCAT_NULL_YIELDS_NULL OFF
GO
ALTER DATABASE [movie_management] SET NUMERIC_ROUNDABORT OFF
GO
ALTER DATABASE [movie_management] SET QUOTED_IDENTIFIER OFF
GO
ALTER DATABASE [movie_management] SET RECURSIVE_TRIGGERS OFF
GO
ALTER DATABASE [movie_management] SET  ENABLE_BROKER
GO
ALTER DATABASE [movie_management] SET AUTO_UPDATE_STATISTICS_ASYNC OFF
GO
ALTER DATABASE [movie_management] SET DATE_CORRELATION_OPTIMIZATION OFF
GO
ALTER DATABASE [movie_management] SET TRUSTWORTHY OFF
GO
ALTER DATABASE [movie_management] SET ALLOW_SNAPSHOT_ISOLATION OFF
GO
ALTER DATABASE [movie_management] SET PARAMETERIZATION SIMPLE
GO
ALTER DATABASE [movie_management] SET READ_COMMITTED_SNAPSHOT OFF
GO
ALTER DATABASE [movie_management] SET HONOR_BROKER_PRIORITY OFF
GO
ALTER DATABASE [movie_management] SET RECOVERY FULL
GO
```

```sql
ALTER DATABASE [movie_management] SET  MULTI_USER
GO
ALTER DATABASE [movie_management] SET PAGE_VERIFY CHECKSUM
GO
ALTER DATABASE [movie_management] SET DB_CHAINING OFF
GO
ALTER DATABASE [movie_management] SET FILESTREAM( NON_TRANSACTED_ACCESS = OFF )
GO
ALTER DATABASE [movie_management] SET TARGET_RECOVERY_TIME = 60 SECONDS
GO
ALTER DATABASE [movie_management] SET DELAYED_DURABILITY = DISABLED
GO
EXEC sys.sp_db_vardecimal_storage_format N'movie_management', N'ON'
GO
ALTER DATABASE [movie_management] SET QUERY_STORE = OFF
GO
USE [movie_management]
GO
ALTER DATABASE SCOPED CONFIGURATION SET MAXDOP = 0;
GO
ALTER DATABASE SCOPED CONFIGURATION FOR SECONDARY SET MAXDOP = PRIMARY;
GO
ALTER DATABASE SCOPED CONFIGURATION SET LEGACY_CARDINALITY_ESTIMATION = OFF;
GO
ALTER DATABASE SCOPED CONFIGURATION FOR SECONDARY SET LEGACY_CARDINALITY_ESTIMATION = PRIMARY;
GO
ALTER DATABASE SCOPED CONFIGURATION SET PARAMETER_SNIFFING = ON;
GO
ALTER DATABASE SCOPED CONFIGURATION FOR SECONDARY SET PARAMETER_SNIFFING = PRIMARY;
GO
ALTER DATABASE SCOPED CONFIGURATION SET QUERY_OPTIMIZER_HOTFIXES = OFF;
GO
ALTER DATABASE SCOPED CONFIGURATION FOR SECONDARY SET QUERY_OPTIMIZER_HOTFIXES = PRIMARY;
GO
USE [movie_management]
```

```sql
GO
/****** Object:  UserDefinedFunction [dbo].[GetDirectorWithMostDirectedMovies]    Script Date: 20-04-2017 21:34:40 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO


--user function to extract Director with most movies directed--
CREATE FUNCTION [dbo].[GetDirectorWithMostDirectedMovies]()
RETURNS VARCHAR(20) AS
BEGIN
        DECLARE @Movies_directed int
        SET @Movies_directed = (SELECT max(movies_directed) FROM directors)

        DECLARE @Person_id int
        SET @Person_id = (SELECT director_id FROM directors WHERE movies_directed = @Movies_directed)

        DECLARE @Director_name VARCHAR(20)
        SET @Director_name = (SELECT full_name FROM person WHERE person_id = @Person_id)

        return @Director_name
END

GO
/****** Object:  UserDefinedFunction [dbo].[GetWriterWithMostMostLiteraryAwardsWon]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO


--user function to extract writer with most awards won--
CREATE FUNCTION [dbo].[GetWriterWithMostMostLiteraryAwardsWon]()
RETURNS VARCHAR(20) AS
BEGIN
        DECLARE @Awards_won int
```

```
        SET @Awards_won = (SELECT max(literary_awards_won) FROM writers)

        DECLARE @Person_id2 int
        SET @Person_id2 = (SELECT writer_id FROM writers WHERE literary_awards_won = @Awards_won)

        DECLARE @Writer_name VARCHAR(20)
        SET @Writer_name = (SELECT full_name FROM person WHERE person_id = @Person_id2)

        return @Writer_name
END

GO
/****** Object:  Table [dbo].[countries]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[countries](
        [country_id] [int] IDENTITY(1,1) NOT NULL,
        [country_name] [varchar](50) NULL,
 CONSTRAINT [Key4] PRIMARY KEY CLUSTERED
(
-        [country_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[countries_to_movies]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[countries_to_movies](
        [movie_id] [int] NOT NULL,
```

```
        [country_id] [int] NOT NULL,
 CONSTRAINT [Key8] PRIMARY KEY CLUSTERED
(
        [movie_id] ASC,
        [country_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[movies]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[movies](
        [movie_id] [int] IDENTITY(1,1) NOT NULL,
        [movie_name] [varchar](50) NOT NULL,
        [movie_year] [smallint] NOT NULL,
        [release_date] [date] NOT NULL,
        [runtime] [time](7) NOT NULL,
 CONSTRAINT [Key1] PRIMARY KEY CLUSTERED
(
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  View [dbo].[movie_in_country]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
-
```

```sql
--view on country and movies----

CREATE VIEW [dbo].[movie_in_country]
AS
SELECT m.movie_id, m.movie_name, m.release_date, c.country_name
FROM movies m
JOIN countries_to_movies c2m
        ON m.movie_id = c2m.movie_id
JOIN countries c
        ON c2m.country_id = c.country_id;


GO
/****** Object:  Table [dbo].[languages]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[languages](
        [language_id] [int] IDENTITY(1,1) NOT NULL,
        [language_name] [varchar](30) NULL,
 CONSTRAINT [Key10] PRIMARY KEY CLUSTERED
(
        [language_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[languages_to_movies]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
```

```
CREATE TABLE [dbo].[languages_to_movies](
        [language_id] [int] NOT NULL,
        [movie_id] [int] NOT NULL,
 CONSTRAINT [Key27] PRIMARY KEY CLUSTERED
(
        [language_id] ASC,
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  View [dbo].[movie_in_language]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO


--view on language and movies---
CREATE VIEW [dbo].[movie_in_language]
AS
SELECT m.movie_id, m.movie_name, m.release_date, l.language_name
FROM movies m
JOIN languages_to_movies l2m
        ON m.movie_id = l2m.movie_id
JOIN languages l
        ON l2m.language_id = l.language_id;

GO
/****** Object:  Table [dbo].[actors]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
```

```
CREATE TABLE [dbo].[actors](
        [actor_id] [int] IDENTITY(1,1) NOT NULL,
        [awards_won] [int] NULL,
 CONSTRAINT [Key13] PRIMARY KEY CLUSTERED
(
        [actor_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[awards]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[awards](
        [award_name] [varchar](20) NOT NULL,
        [nomination _status] [bit] NOT NULL,
        [won_Status] [bit] NOT NULL,
        [movie_id] [int] NOT NULL,
 CONSTRAINT [Key2] PRIMARY KEY CLUSTERED
(
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[classification_to_movies]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[classification_to_movies](
```

```
        [classification_id] [int] NOT NULL,
        [movie_id] [int] NOT NULL,
 CONSTRAINT [Key26] PRIMARY KEY CLUSTERED
(
        [classification_id] ASC,
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[company_production]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[company_production](
        [company_name] [varchar](30) NULL,
        [company_id] [int] IDENTITY(1,1) NOT NULL,
        [website] [varchar](30) NULL,
        [email-id] [varchar](30) NULL,
 CONSTRAINT [Key17] PRIMARY KEY CLUSTERED
(
        [company_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[directors]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[directors](
```

```
        [director_id] [int] NOT NULL,
        [movies_directed] [int] NULL,
 CONSTRAINT [Key14] PRIMARY KEY CLUSTERED
(
        [director_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[genres]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[genres](
        [genre_id] [int] IDENTITY(1,1) NOT NULL,
        [genre_name] [varchar](15) NULL,
 CONSTRAINT [Key11] PRIMARY KEY CLUSTERED
(
        [genre_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[movie_company]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[movie_company](
        [company_id] [int] NOT NULL,
        [movie_id] [int] NOT NULL,
 CONSTRAINT [Key22] PRIMARY KEY CLUSTERED
```

```
(
        [company_id] ASC,
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[movie_description]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[movie_description](
        [storyline] [varchar](300) NULL,
        [plot_summary] [varchar](1000) NULL,
        [plot_synopsys] [varchar](1000) NULL,
        [movie_id] [int] NOT NULL,
 CONSTRAINT [Key12] PRIMARY KEY CLUSTERED
(
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[movie_link]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[movie_link](
        [amazon_video] [varchar](300) NULL,
        [on_disc] [varchar](200) NULL,
        [movie_id] [int] NOT NULL,
```

```
 CONSTRAINT [Key18] PRIMARY KEY CLUSTERED
(
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[movies_to_actors]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[movies_to_actors](
        [movie_id] [int] NOT NULL,
        [actor_id] [int] NOT NULL,
 CONSTRAINT [Key19] PRIMARY KEY CLUSTERED
(
        [movie_id] ASC,
        [actor_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[movies_to_directors]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[movies_to_directors](
        [movie_id] [int] NOT NULL,
        [director_id] [int] NOT NULL,
 CONSTRAINT [Key20] PRIMARY KEY CLUSTERED
(
```

```
        [movie_id] ASC,
        [director_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[movies_to_genres]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[movies_to_genres](
        [genre_id] [int] NOT NULL,
        [movie_id] [int] NOT NULL,
 CONSTRAINT [Key28] PRIMARY KEY CLUSTERED
(
        [genre_id] ASC,
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[Movies_to_soundmix]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Movies_to_soundmix](
        [movie_id] [int] NOT NULL,
        [soundmix_id] [int] NOT NULL,
 CONSTRAINT [Key23] PRIMARY KEY CLUSTERED
(
        [movie_id] ASC,
```

```
        [soundmix_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[movies_to_writers]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[movies_to_writers](
        [movie_id] [int] NOT NULL,
        [writer_id] [int] NOT NULL,
 CONSTRAINT [Key21] PRIMARY KEY CLUSTERED
(
        [movie_id] ASC,
        [writer_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[movie-user]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[movie-user](
        [movie_id] [int] NOT NULL,
        [user_id] [int] NOT NULL,
        [mov-user_id] [int] IDENTITY(1,1) NOT NULL
) ON [PRIMARY]

GO
```

```
/****** Object:  Table [dbo].[MPAA_classification]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[MPAA_classification](
        [classification] [varchar](5) NULL,
        [classification_id] [int] IDENTITY(1,1) NOT NULL,
 CONSTRAINT [Key16] PRIMARY KEY CLUSTERED
(
        [classification_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[person]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[person](
        [person_id] [int] IDENTITY(1,1) NOT NULL,
        [full_name] [varchar](20) NOT NULL,
        [biography] [varchar](200) NULL,
        [date_of_birth] [date] NULL,
        [city_of_birth] [varchar](20) NULL,
        [age]  AS (datediff(year,[date_of_birth],getdate())),
 CONSTRAINT [Key24] PRIMARY KEY CLUSTERED
(
        [person_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]
```

```
GO
/****** Object:  Table [dbo].[ratings]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[ratings](
        [imdb_rating] [decimal](3, 1) NOT NULL,
        [metascore] [int] NULL,
        [votes] [bigint] NULL,
        [mov-user_id] [int] NOT NULL,
 CONSTRAINT [Key6] PRIMARY KEY CLUSTERED
(
        [mov-user_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[reviews]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[reviews](
        [review_timestamp] [datetime] NULL,
        [review_body] [varchar](100) NOT NULL,
        [mov-user_id] [int] NOT NULL,
 CONSTRAINT [Key5] PRIMARY KEY CLUSTERED
(
        [mov-user_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]
```

```
GO
/****** Object:  Table [dbo].[soundmix_technologies]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[soundmix_technologies](
        [soundmix_id] [int] IDENTITY(1,1) NOT NULL,
        [soundmix] [varchar](10) NULL,
 CONSTRAINT [Key3] PRIMARY KEY CLUSTERED
(
        [soundmix_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]


GO
/****** Object:  Table [dbo].[soundtracks]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[soundtracks](
        [soundtrack_id] [int] IDENTITY(1,1) NOT NULL,
        [soundtrack_name] [varchar](30) NULL,
        [movie_id] [int] NOT NULL,
 CONSTRAINT [Key9] PRIMARY KEY CLUSTERED
(
        [soundtrack_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]


GO
/****** Object:  Table [dbo].[users]    Script Date: 20-04-2017 21:34:41 ******/
```

```
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[users](
        [user_id] [int] IDENTITY(1,1) NOT NULL,
        [email_id] [varchar](320) NOT NULL,
        [gender] [char](1) NULL,
        [password] [varbinary](200) NOT NULL,
        [date_of_birth] [date] NULL,
        [zip] [varchar](10) NULL,
        [country_of_residence] [varchar](50) NULL,
        [full_name] [varchar](50) NULL,
 CONSTRAINT [Key7] PRIMARY KEY CLUSTERED
(
        [user_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[writers]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[writers](
        [writer_id] [int] NOT NULL,
        [literary_awards_won] [int] NULL,
        [years_in_industry] [int] NULL,
 CONSTRAINT [Key15] PRIMARY KEY CLUSTERED
(
        [writer_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
```

```
) ON [PRIMARY]

GO
SET IDENTITY_INSERT [dbo].[actors] ON

INSERT [dbo].[actors] ([actor_id], [awards_won]) VALUES (1, 13)
INSERT [dbo].[actors] ([actor_id], [awards_won]) VALUES (2, 4)
INSERT [dbo].[actors] ([actor_id], [awards_won]) VALUES (3, 40)
INSERT [dbo].[actors] ([actor_id], [awards_won]) VALUES (4, 16)
INSERT [dbo].[actors] ([actor_id], [awards_won]) VALUES (5, 5)
SET IDENTITY_INSERT [dbo].[actors] OFF
INSERT [dbo].[awards] ([award_name], [nomination _status], [won_Status], [movie_id]) VALUES (N'Oscar', 1, 1, 1)
INSERT [dbo].[awards] ([award_name], [nomination _status], [won_Status], [movie_id]) VALUES (N'SGA Awards', 1, 1, 2)
INSERT [dbo].[awards] ([award_name], [nomination _status], [won_Status], [movie_id]) VALUES (N'Golden Globe', 1, 0, 3)
INSERT [dbo].[awards] ([award_name], [nomination _status], [won_Status], [movie_id]) VALUES (N'People''s Choice', 1, 0, 4)
INSERT [dbo].[awards] ([award_name], [nomination _status], [won_Status], [movie_id]) VALUES (N'Academy Awards', 1, 1, 5)
INSERT [dbo].[classification_to_movies] ([classification_id], [movie_id]) VALUES (1, 1)
INSERT [dbo].[classification_to_movies] ([classification_id], [movie_id]) VALUES (4, 2)
INSERT [dbo].[classification_to_movies] ([classification_id], [movie_id]) VALUES (2, 3)
INSERT [dbo].[classification_to_movies] ([classification_id], [movie_id]) VALUES (3, 4)
INSERT [dbo].[classification_to_movies] ([classification_id], [movie_id]) VALUES (5, 5)
SET IDENTITY_INSERT [dbo].[company_production] ON

INSERT [dbo].[company_production] ([company_name], [company_id], [website], [email-id]) VALUES (N'ABC Productions', 1, N'www.abcproduction.com',
N'abcprod@production.com')
INSERT [dbo].[company_production] ([company_name], [company_id], [website], [email-id]) VALUES (N'Star House', 2, N'www.StarhouseCA.com',
N'house@star.com')
INSERT [dbo].[company_production] ([company_name], [company_id], [website], [email-id]) VALUES (N'Hollywood Studios', 3, N'www.StudiosLL.com',
N'StudiosLL@hotmail.com')
INSERT [dbo].[company_production] ([company_name], [company_id], [website], [email-id]) VALUES (N'RhodeIsland Cooperations', 4,
N'www.FoxStudiosRI.com', N'RICooperations@gmail.com')
INSERT [dbo].[company_production] ([company_name], [company_id], [website], [email-id]) VALUES (N'BBCWorld', 5, N'www.BBCWorld.com',
N'World@BBC.com')
SET IDENTITY_INSERT [dbo].[company_production] OFF
SET IDENTITY_INSERT [dbo].[countries] ON
```

```sql
INSERT [dbo].[countries] ([country_id], [country_name]) VALUES (1, N'United States of America')
INSERT [dbo].[countries] ([country_id], [country_name]) VALUES (2, N'India')
INSERT [dbo].[countries] ([country_id], [country_name]) VALUES (3, N'Germany')
INSERT [dbo].[countries] ([country_id], [country_name]) VALUES (4, N'France')
INSERT [dbo].[countries] ([country_id], [country_name]) VALUES (5, N'England')
INSERT [dbo].[countries] ([country_id], [country_name]) VALUES (6, N'China')
SET IDENTITY_INSERT [dbo].[countries] OFF
INSERT [dbo].[countries_to_movies] ([movie_id], [country_id]) VALUES (1, 2)
INSERT [dbo].[countries_to_movies] ([movie_id], [country_id]) VALUES (2, 5)
INSERT [dbo].[countries_to_movies] ([movie_id], [country_id]) VALUES (3, 4)
INSERT [dbo].[countries_to_movies] ([movie_id], [country_id]) VALUES (4, 3)
INSERT [dbo].[countries_to_movies] ([movie_id], [country_id]) VALUES (5, 1)
INSERT [dbo].[directors] ([director_id], [movies_directed]) VALUES (6, 8)
INSERT [dbo].[directors] ([director_id], [movies_directed]) VALUES (7, 9)
INSERT [dbo].[directors] ([director_id], [movies_directed]) VALUES (8, 15)
INSERT [dbo].[directors] ([director_id], [movies_directed]) VALUES (9, 2)
INSERT [dbo].[directors] ([director_id], [movies_directed]) VALUES (10, 1)
SET IDENTITY_INSERT [dbo].[genres] ON

INSERT [dbo].[genres] ([genre_id], [genre_name]) VALUES (1, N'Romantic')
INSERT [dbo].[genres] ([genre_id], [genre_name]) VALUES (2, N'Drama')
INSERT [dbo].[genres] ([genre_id], [genre_name]) VALUES (3, N'Crime')
INSERT [dbo].[genres] ([genre_id], [genre_name]) VALUES (4, N'Horror')
INSERT [dbo].[genres] ([genre_id], [genre_name]) VALUES (5, N'Mystery')
SET IDENTITY_INSERT [dbo].[genres] OFF
SET IDENTITY_INSERT [dbo].[languages] ON

INSERT [dbo].[languages] ([language_id], [language_name]) VALUES (1, N'English')
INSERT [dbo].[languages] ([language_id], [language_name]) VALUES (2, N'French')
INSERT [dbo].[languages] ([language_id], [language_name]) VALUES (3, N'German')
INSERT [dbo].[languages] ([language_id], [language_name]) VALUES (4, N'Korean')
INSERT [dbo].[languages] ([language_id], [language_name]) VALUES (5, N'Mandarin')
INSERT [dbo].[languages] ([language_id], [language_name]) VALUES (6, N'Mandarin')
SET IDENTITY_INSERT [dbo].[languages] OFF
```

```sql
INSERT [dbo].[languages_to_movies] ([language_id], [movie_id]) VALUES (3, 1)
INSERT [dbo].[languages_to_movies] ([language_id], [movie_id]) VALUES (1, 2)
INSERT [dbo].[languages_to_movies] ([language_id], [movie_id]) VALUES (5, 3)
INSERT [dbo].[languages_to_movies] ([language_id], [movie_id]) VALUES (4, 4)
INSERT [dbo].[languages_to_movies] ([language_id], [movie_id]) VALUES (4, 5)
INSERT [dbo].[movie_company] ([company_id], [movie_id]) VALUES (1, 2)
INSERT [dbo].[movie_company] ([company_id], [movie_id]) VALUES (2, 4)
INSERT [dbo].[movie_company] ([company_id], [movie_id]) VALUES (3, 1)
INSERT [dbo].[movie_company] ([company_id], [movie_id]) VALUES (4, 5)
INSERT [dbo].[movie_company] ([company_id], [movie_id]) VALUES (5, 3)
INSERT [dbo].[movie_link] ([amazon_video], [on_disc], [movie_id]) VALUES
(N'https://www.amazon.com/dp/B001EBV0OY?ref_=imdbref_tt_wbr_aiv&tag=imdbtag_tt_wbr_aiv-20',
N'https://www.amazon.com/dp/B000P0J0EW?ref_=imdbref_tt_wbr_amazon&tag=imdbtag_tt_wbr_amazon-20', 1)
INSERT [dbo].[movie_link] ([amazon_video], [on_disc], [movie_id]) VALUES
(N'https://www.amazon.com/dp/B005DNPFUE?ref_=imdbref_tt_wbr_aiv&tag=imdbtag_tt_wbr_aiv-20',
N'https://www.amazon.com/dp/B0019L770A?ref_=imdbref_tt_wbr_amazon&tag=imdbtag_tt_wbr_amazon-20', 2)
INSERT [dbo].[movie_link] ([amazon_video], [on_disc], [movie_id]) VALUES (NULL,
N'https://www.amazon.com/dp/B00005NB94?ref_=imdbref_tt_wbr_amazon&tag=imdbtag_tt_wbr_amazon-20', 3)
INSERT [dbo].[movie_link] ([amazon_video], [on_disc], [movie_id]) VALUES
(N'https://www.amazon.com/dp/B001XUPF2O?ref_=imdbref_tt_wbr_aiv&tag=imdbtag_tt_wbr_aiv-20',
N'https://www.amazon.com/dp/B001GZ6QC4?ref_=imdbref_tt_wbr_amazon&tag=imdbtag_tt_wbr_amazon-20', 4)
INSERT [dbo].[movie_link] ([amazon_video], [on_disc], [movie_id]) VALUES
(N'https://www.amazon.com/dp/B00AHSIQWE?ref_=imdbref_tt_wbr_aiv&tag=imdbtag_tt_wbr_aiv-20',
N'https://www.amazon.com/dp/B004LWZWGA?ref_=imdbref_tt_wbr_amazon&tag=imdbtag_tt_wbr_amazon-20', 5)
SET IDENTITY_INSERT [dbo].[movies] ON

INSERT [dbo].[movies] ([movie_id], [movie_name], [movie_year], [release_date], [runtime]) VALUES (1, N' The Shawshank Redemption', 1994,
CAST(N'1994-01-11' AS Date), CAST(N'02:01:56' AS Time))
INSERT [dbo].[movies] ([movie_id], [movie_name], [movie_year], [release_date], [runtime]) VALUES (2, N'The Godfather', 1972, CAST(N'1972-03-21' AS
Date), CAST(N'02:03:51' AS Time))
INSERT [dbo].[movies] ([movie_id], [movie_name], [movie_year], [release_date], [runtime]) VALUES (3, N'Arabian Nights', 1936, CAST(N'1936-04-22' AS
Date), CAST(N'03:02:36' AS Time))
INSERT [dbo].[movies] ([movie_id], [movie_name], [movie_year], [release_date], [runtime]) VALUES (4, N'The Dark Knight', 1974, CAST(N'1974-03-21' AS
Date), CAST(N'01:59:06' AS Time))
```

```sql
INSERT [dbo].[movies] ([movie_id], [movie_name], [movie_year], [release_date], [runtime]) VALUES (5, N'The Dark Knight Rises', 1978, CAST(N'1978-02-22' AS Date), CAST(N'01:58:46' AS Time))
SET IDENTITY_INSERT [dbo].[movies] OFF
INSERT [dbo].[movies_to_actors] ([movie_id], [actor_id]) VALUES (1, 2)
INSERT [dbo].[movies_to_actors] ([movie_id], [actor_id]) VALUES (2, 3)
INSERT [dbo].[movies_to_actors] ([movie_id], [actor_id]) VALUES (3, 5)
INSERT [dbo].[movies_to_actors] ([movie_id], [actor_id]) VALUES (4, 1)
INSERT [dbo].[movies_to_actors] ([movie_id], [actor_id]) VALUES (5, 4)
INSERT [dbo].[movies_to_directors] ([movie_id], [director_id]) VALUES (1, 6)
INSERT [dbo].[movies_to_directors] ([movie_id], [director_id]) VALUES (2, 7)
INSERT [dbo].[movies_to_directors] ([movie_id], [director_id]) VALUES (3, 8)
INSERT [dbo].[movies_to_directors] ([movie_id], [director_id]) VALUES (4, 9)
INSERT [dbo].[movies_to_directors] ([movie_id], [director_id]) VALUES (5, 10)
INSERT [dbo].[movies_to_genres] ([genre_id], [movie_id]) VALUES (1, 1)
INSERT [dbo].[movies_to_genres] ([genre_id], [movie_id]) VALUES (4, 2)
INSERT [dbo].[movies_to_genres] ([genre_id], [movie_id]) VALUES (2, 3)
INSERT [dbo].[movies_to_genres] ([genre_id], [movie_id]) VALUES (3, 4)
INSERT [dbo].[movies_to_genres] ([genre_id], [movie_id]) VALUES (5, 5)
INSERT [dbo].[Movies_to_soundmix] ([movie_id], [soundmix_id]) VALUES (1, 1)
INSERT [dbo].[Movies_to_soundmix] ([movie_id], [soundmix_id]) VALUES (2, 3)
INSERT [dbo].[Movies_to_soundmix] ([movie_id], [soundmix_id]) VALUES (3, 2)
INSERT [dbo].[Movies_to_soundmix] ([movie_id], [soundmix_id]) VALUES (4, 5)
INSERT [dbo].[Movies_to_soundmix] ([movie_id], [soundmix_id]) VALUES (5, 4)
INSERT [dbo].[movies_to_writers] ([movie_id], [writer_id]) VALUES (1, 11)
INSERT [dbo].[movies_to_writers] ([movie_id], [writer_id]) VALUES (2, 12)
INSERT [dbo].[movies_to_writers] ([movie_id], [writer_id]) VALUES (3, 13)
INSERT [dbo].[movies_to_writers] ([movie_id], [writer_id]) VALUES (4, 15)
INSERT [dbo].[movies_to_writers] ([movie_id], [writer_id]) VALUES (5, 14)
SET IDENTITY_INSERT [dbo].[movie-user] ON

INSERT [dbo].[movie-user] ([movie_id], [user_id], [mov-user_id]) VALUES (1, 1, 1)
INSERT [dbo].[movie-user] ([movie_id], [user_id], [mov-user_id]) VALUES (2, 3, 2)
INSERT [dbo].[movie-user] ([movie_id], [user_id], [mov-user_id]) VALUES (3, 4, 3)
INSERT [dbo].[movie-user] ([movie_id], [user_id], [mov-user_id]) VALUES (4, 5, 4)
INSERT [dbo].[movie-user] ([movie_id], [user_id], [mov-user_id]) VALUES (5, 2, 5)
```

```
SET IDENTITY_INSERT [dbo].[movie-user] OFF
SET IDENTITY_INSERT [dbo].[MPAA_classification] ON

INSERT [dbo].[MPAA_classification] ([classification], [classification_id]) VALUES (N'G', 1)
INSERT [dbo].[MPAA_classification] ([classification], [classification_id]) VALUES (N'PG', 2)
INSERT [dbo].[MPAA_classification] ([classification], [classification_id]) VALUES (N'PG-13', 3)
INSERT [dbo].[MPAA_classification] ([classification], [classification_id]) VALUES (N'Rf', 4)
INSERT [dbo].[MPAA_classification] ([classification], [classification_id]) VALUES (N'NC-17', 5)
SET IDENTITY_INSERT [dbo].[MPAA_classification] OFF
SET IDENTITY_INSERT [dbo].[person] ON

INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (1, N'Marlon Brando', N'Marlon Brando is widely considered the greatest movie actor of all time, rivaled only by the more theatrically oriented Laurence Olivier in terms of esteem. ', CAST(N'1924-04-24' AS Date), N'Nebrasaka')
INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (2, N'Al Pacino', N'One of the greatest actors in all of film history, Al Pacino established himself during one of film''s greatest decades, the 1970s', CAST(N'1940-05-06' AS Date), N'Manhattan')
INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (3, N'James Caan', N'A masculine and enigmatic actor whose life and movie career have had more ups and downs than the average rollercoaster ', CAST(N'1940-03-01' AS Date), N'The Bronx')
INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (4, N'Robert Duvall', N'Veteran actor and director Robert Selden Duvall was born on January 5, 1931, in San Diego, CA,', CAST(N'1931-04-23' AS Date), N'San Diego')
INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (5, N'Rudy Bond', N' Bond was raised in Philadelphia. He got his start at the Neighborhood Players.', CAST(N'1912-03-14' AS Date), N'Denver')
INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (6, N'James Ponsoldt', N' He is a director and producer, known for The Spectacular Now (2013), Smashed (2012) and The End of the Tour (2015)', CAST(N'1978-03-24' AS Date), N'Georgia')
INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (7, N'Justin Barber', N'Justin Barber is known for his work on Phoenix Forgotten (2017) and Medicine for Melancholy (2008)', CAST(N'1992-04-19' AS Date), N'New York City')
INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (8, N'Barry Jenkins', N'He is a writer and director, known for Moonlight (2016), Medicine for Melancholy (2008) and My Josephine (2003)', CAST(N'1990-04-03' AS Date), N'Miami')
INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (9, N'Quentin Tarantino', N'The lives of two mob hit men, a boxer, a gangster''s wife, and a pair of diner bandits intertwine in four tales of violence and redemption', CAST(N'1980-09-22' AS Date), N'Boston')
INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (10, N'Evan Goldberg', N'Goldberg is known for his work on Superbad, Knocked Up, Pineapple Express, Funny People, The Green Hornet, 50/50, Goon.', CAST(N'1990-01-18' AS Date), N'Atlanta')
INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (11, N'Seth Rogen', N'An actor, comedian and writer, Seth Rogen has come a long way from doing stand-up comedy as a teen.', CAST(N'1982-04-15' AS Date), N'Chicago')
```

INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (12, N'Andrew Jay Cohen', N'Known for his debut Neighbours 2.', CAST(N'1968-12-03' AS Date), N'Los Angeles')

INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (13, N'John Lucas', N'on Lucas is a writer and producer, known for The Hangover (2009), The Hangover Part II (2011) and The Hangover Part III (2013).', CAST(N'1978-04-03' AS Date), N'Washington D.C.')

INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (14, N'Craig Mazin', N' He is a writer and producer, known for Identity Thief (2013), The Hangover Part II (2011) and The Hangover Part III (2013).', CAST(N'1975-04-09' AS Date), N'Brooklyn')

INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (15, N'Greg Erb', N'known for The Princess and the Frog (2009), RocketMan (1997) and Senseless (1998)', CAST(N'1976-03-09' AS Date), N'San Antonio')

SET IDENTITY_INSERT [dbo].[person] OFF

INSERT [dbo].[ratings] ([imdb_rating], [metascore], [votes], [mov-user_id]) VALUES (CAST(7.8 AS Decimal(3, 1)), 88, 190000, 1)

INSERT [dbo].[ratings] ([imdb_rating], [metascore], [votes], [mov-user_id]) VALUES (CAST(9.4 AS Decimal(3, 1)), 90, 14000, 2)

INSERT [dbo].[ratings] ([imdb_rating], [metascore], [votes], [mov-user_id]) VALUES (CAST(6.8 AS Decimal(3, 1)), 78, 16000, 3)

INSERT [dbo].[ratings] ([imdb_rating], [metascore], [votes], [mov-user_id]) VALUES (CAST(7.5 AS Decimal(3, 1)), 90, 64520, 4)

INSERT [dbo].[ratings] ([imdb_rating], [metascore], [votes], [mov-user_id]) VALUES (CAST(9.6 AS Decimal(3, 1)), 97, 1530489, 5)

INSERT [dbo].[reviews] ([review_timestamp], [review_body], [mov-user_id]) VALUES (CAST(N'2017-04-20T21:22:10.320' AS DateTime), N'Tied for the best movie I have ever seen.', 1)

INSERT [dbo].[reviews] ([review_timestamp], [review_body], [mov-user_id]) VALUES (CAST(N'2017-04-20T21:22:10.320' AS DateTime), N'It is a simple film, yet it has an everlasting message. ', 2)

INSERT [dbo].[reviews] ([review_timestamp], [review_body], [mov-user_id]) VALUES (CAST(N'2017-04-20T21:22:10.320' AS DateTime), N'A classic piece of unforgettable film-making', 3)

INSERT [dbo].[reviews] ([review_timestamp], [review_body], [mov-user_id]) VALUES (CAST(N'2017-04-20T21:22:10.320' AS DateTime), N'I was so impressed with how every single subplot was given a great deal of respect from actor.', 4)

INSERT [dbo].[reviews] ([review_timestamp], [review_body], [mov-user_id]) VALUES (CAST(N'2017-04-20T21:22:10.320' AS DateTime), N'One of the finest films made in recent years. It''s a poignant story about hope. Hope gets me', 5)

SET IDENTITY_INSERT [dbo].[soundmix_technologies] ON

INSERT [dbo].[soundmix_technologies] ([soundmix_id], [soundmix]) VALUES (1, N'dolby')

INSERT [dbo].[soundmix_technologies] ([soundmix_id], [soundmix]) VALUES (2, N'mono')

INSERT [dbo].[soundmix_technologies] ([soundmix_id], [soundmix]) VALUES (3, N'DTS')

INSERT [dbo].[soundmix_technologies] ([soundmix_id], [soundmix]) VALUES (4, N'DTS-Sterio')

INSERT [dbo].[soundmix_technologies] ([soundmix_id], [soundmix]) VALUES (5, N'dts-sound ')

SET IDENTITY_INSERT [dbo].[soundmix_technologies] OFF

SET IDENTITY_INSERT [dbo].[soundtracks] ON

INSERT [dbo].[soundtracks] ([soundtrack_id], [soundtrack_name], [movie_id]) VALUES (1, N'LAla laa', 2)
INSERT [dbo].[soundtracks] ([soundtrack_id], [soundtrack_name], [movie_id]) VALUES (2, N'no talking', 2)
INSERT [dbo].[soundtracks] ([soundtrack_id], [soundtrack_name], [movie_id]) VALUES (3, N'verito losano', 1)
INSERT [dbo].[soundtracks] ([soundtrack_id], [soundtrack_name], [movie_id]) VALUES (4, N'it''s my birthday', 4)
INSERT [dbo].[soundtracks] ([soundtrack_id], [soundtrack_name], [movie_id]) VALUES (5, N'white emotions', 5)
INSERT [dbo].[soundtracks] ([soundtrack_id], [soundtrack_name], [movie_id]) VALUES (6, N'god knows better', 3)
INSERT [dbo].[soundtracks] ([soundtrack_id], [soundtrack_name], [movie_id]) VALUES (7, N'we don''t', 4)
SET IDENTITY_INSERT [dbo].[soundtracks] OFF
SET IDENTITY_INSERT [dbo].[users] ON

INSERT [dbo].[users] ([user_id], [email_id], [gender], [password], [date_of_birth], [zip], [country_of_residence], [full_name]) VALUES (1,
N'shina.goel@gmail.com', N'F',
0x0015FA0E737A68418A66DD1635F8B901010000009E84225EDD0B8E3B471A0D3476947E4BF14747BB0886E6F4604033DF585090464191245292E37744C
12FC19F903C78C3, CAST(N'1994-02-12' AS Date), N'2120', N'USA', N'Shina Goel')
INSERT [dbo].[users] ([user_id], [email_id], [gender], [password], [date_of_birth], [zip], [country_of_residence], [full_name]) VALUES (2,
N'Sardana@gmail.com', N'F',
0x00A705890703D348996C6F02E65C33B001000000825FCA936528006777DF92111AC2A71833BF8416EBA2FE76389441082618E903, CAST(N'1994-03-04'
AS Date), N'2125', N'USA', N'Himani Sardana')
INSERT [dbo].[users] ([user_id], [email_id], [gender], [password], [date_of_birth], [zip], [country_of_residence], [full_name]) VALUES (3,
N'sweetgirl@gmail.com', N'F',
0x0011F6FFAA45474AA6ED1713A647B92601000000B362B4E9C6C2F85AACB53778DBEE43B7D8469E042C0FDCF36914E9AA19CF59C0B9C23E63E3B8FF26F
E0B11321909D3F8, CAST(N'1972-03-04' AS Date), N'2120', N'USA', N'Lindsay Taylor')
INSERT [dbo].[users] ([user_id], [email_id], [gender], [password], [date_of_birth], [zip], [country_of_residence], [full_name]) VALUES (4,
N'Johnnybatman@gmail.com', N'M',
0x00533E95FB974E449EEE8440BBB7966B01000000EA4674BF0E48F869004E9E7E3D15BB19F7374DD8EE9762C170790956570167BE, CAST(N'1920-04-05'
AS Date), N'2150', N'USA', N'Johnny Mcgrawth')
INSERT [dbo].[users] ([user_id], [email_id], [gender], [password], [date_of_birth], [zip], [country_of_residence], [full_name]) VALUES (5,
N'Xuengrockingguy@yahoo.com', N'M',
0x00FC8E7C1484E643AE6D54273EB935C60100000029E7E87E3A20E7BE0EA952FF3F320637CF32F515AD01CA8C871A51924067EBA936272A8D500638E9E
B13E8F16B52F33D, CAST(N'1987-06-11' AS Date), N'2145', N'USA', N'XuengChie')
SET IDENTITY_INSERT [dbo].[users] OFF
INSERT [dbo].[writers] ([writer_id], [literary_awards_won], [years_in_industry]) VALUES (11, 5, 15)
INSERT [dbo].[writers] ([writer_id], [literary_awards_won], [years_in_industry]) VALUES (12, 3, 5)
INSERT [dbo].[writers] ([writer_id], [literary_awards_won], [years_in_industry]) VALUES (13, 4, 6)
INSERT [dbo].[writers] ([writer_id], [literary_awards_won], [years_in_industry]) VALUES (14, 6, 9)

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INSERT [dbo].[writers] ([writer_id], [literary_awards_won], [years_in_industry]) VALUES (15, 9, 12)
/****** Object:  Index [IX_Relationship2]    Script Date: 20-04-2017 21:34:41 ******/
CREATE NONCLUSTERED INDEX [IX_Relationship2] ON [dbo].[awards]
(
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, DROP_EXISTING = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
GO
/****** Object:  Index [IX_Relationship13]    Script Date: 20-04-2017 21:34:41 ******/
CREATE NONCLUSTERED INDEX [IX_Relationship13] ON [dbo].[classification_to_movies]
(
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, DROP_EXISTING = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
GO
/****** Object:  Index [IX_Relationship14]    Script Date: 20-04-2017 21:34:41 ******/
CREATE NONCLUSTERED INDEX [IX_Relationship14] ON [dbo].[languages_to_movies]
(
        [language_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, DROP_EXISTING = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
GO
/****** Object:  Index [IX_Relationship15]    Script Date: 20-04-2017 21:34:41 ******/
CREATE NONCLUSTERED INDEX [IX_Relationship15] ON [dbo].[languages_to_movies]
(
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, DROP_EXISTING = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
GO
/****** Object:  Index [IX_Relationship8]    Script Date: 20-04-2017 21:34:41 ******/
CREATE NONCLUSTERED INDEX [IX_Relationship8] ON [dbo].[movie_description]
(
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, DROP_EXISTING = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
```

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GO
/****** Object:  Index [IX_Relationship6]    Script Date: 20-04-2017 21:34:41 ******/
CREATE NONCLUSTERED INDEX [IX_Relationship6] ON [dbo].[movie_link]
(
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, DROP_EXISTING = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
GO
/****** Object:  Index [IX_Relationship15]    Script Date: 20-04-2017 21:34:41 ******/
CREATE NONCLUSTERED INDEX [IX_Relationship15] ON [dbo].[movies_to_genres]
(
        [genre_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, DROP_EXISTING = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
GO
/****** Object:  Index [IX_Relationship16]    Script Date: 20-04-2017 21:34:41 ******/
CREATE NONCLUSTERED INDEX [IX_Relationship16] ON [dbo].[movies_to_genres]
(
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, DROP_EXISTING = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
GO
/****** Object:  Index [Key25]    Script Date: 20-04-2017 21:34:41 ******/
ALTER TABLE [dbo].[movie-user] ADD  CONSTRAINT [Key25] PRIMARY KEY NONCLUSTERED
(
        [mov-user_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, IGNORE_DUP_KEY = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS =
ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
GO
/****** Object:  Index [mov-user_id]    Script Date: 20-04-2017 21:34:41 ******/
ALTER TABLE [dbo].[movie-user] ADD  CONSTRAINT [mov-user_id] UNIQUE NONCLUSTERED
(
        [mov-user_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, IGNORE_DUP_KEY = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS =
ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
```

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GO
/****** Object:  Index [IX_Relationship8]    Script Date: 20-04-2017 21:34:41 ******/
CREATE NONCLUSTERED INDEX [IX_Relationship8] ON [dbo].[movie-user]
(
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, DROP_EXISTING = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
GO
/****** Object:  Index [IX_Relationship9]    Script Date: 20-04-2017 21:34:41 ******/
CREATE NONCLUSTERED INDEX [IX_Relationship9] ON [dbo].[movie-user]
(
        [user_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, DROP_EXISTING = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
GO
/****** Object:  Index [IX_Relationship12]    Script Date: 20-04-2017 21:34:41 ******/
CREATE NONCLUSTERED INDEX [IX_Relationship12] ON [dbo].[soundtracks]
(
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, DROP_EXISTING = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
GO
ALTER TABLE [dbo].[actors]  WITH CHECK ADD  CONSTRAINT [actor<---person] FOREIGN KEY([actor_id])
REFERENCES [dbo].[person] ([person_id])
GO
ALTER TABLE [dbo].[actors] CHECK CONSTRAINT [actor<---person]
GO
ALTER TABLE [dbo].[awards]  WITH CHECK ADD  CONSTRAINT [are appreciated by] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
ALTER TABLE [dbo].[awards] CHECK CONSTRAINT [are appreciated by]
GO
ALTER TABLE [dbo].[classification_to_movies]  WITH CHECK ADD  CONSTRAINT [are classified by] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
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ALTER TABLE [dbo].[classification_to_movies] CHECK CONSTRAINT [are classified by]
GO
ALTER TABLE [dbo].[classification_to_movies]  WITH CHECK ADD  CONSTRAINT [classified] FOREIGN KEY([classification_id])
REFERENCES [dbo].[MPAA_classification] ([classification_id])
GO
ALTER TABLE [dbo].[classification_to_movies] CHECK CONSTRAINT [classified]
GO
ALTER TABLE [dbo].[countries_to_movies]  WITH CHECK ADD  CONSTRAINT [origin] FOREIGN KEY([country_id])
REFERENCES [dbo].[countries] ([country_id])
GO
ALTER TABLE [dbo].[countries_to_movies] CHECK CONSTRAINT [origin]
GO
ALTER TABLE [dbo].[countries_to_movies]  WITH CHECK ADD  CONSTRAINT [origin in] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
ALTER TABLE [dbo].[countries_to_movies] CHECK CONSTRAINT [origin in]
GO
ALTER TABLE [dbo].[directors]  WITH CHECK ADD  CONSTRAINT [director <-- person] FOREIGN KEY([director_id])
REFERENCES [dbo].[person] ([person_id])
GO
ALTER TABLE [dbo].[directors] CHECK CONSTRAINT [director <-- person]
GO
ALTER TABLE [dbo].[languages_to_movies]  WITH CHECK ADD  CONSTRAINT [are in] FOREIGN KEY([language_id])
REFERENCES [dbo].[languages] ([language_id])
GO
ALTER TABLE [dbo].[languages_to_movies] CHECK CONSTRAINT [are in]
GO
ALTER TABLE [dbo].[languages_to_movies]  WITH CHECK ADD  CONSTRAINT [are in different languages] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
ALTER TABLE [dbo].[languages_to_movies] CHECK CONSTRAINT [are in different languages]
GO
ALTER TABLE [dbo].[movie_company]  WITH CHECK ADD  CONSTRAINT [are produced by] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
```

```
ALTER TABLE [dbo].[movie_company] CHECK CONSTRAINT [are produced by]
GO
ALTER TABLE [dbo].[movie_company]  WITH CHECK ADD  CONSTRAINT [produced by] FOREIGN KEY([company_id])
REFERENCES [dbo].[company_production] ([company_id])
GO
ALTER TABLE [dbo].[movie_company] CHECK CONSTRAINT [produced by]
GO
ALTER TABLE [dbo].[movie_description]  WITH CHECK ADD  CONSTRAINT [are described by] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
ALTER TABLE [dbo].[movie_description] CHECK CONSTRAINT [are described by]
GO
ALTER TABLE [dbo].[movie_link]  WITH CHECK ADD  CONSTRAINT [urls] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
ALTER TABLE [dbo].[movie_link] CHECK CONSTRAINT [urls]
GO
ALTER TABLE [dbo].[movies_to_actors]  WITH CHECK ADD  CONSTRAINT [acted by] FOREIGN KEY([actor_id])
REFERENCES [dbo].[actors] ([actor_id])
GO
ALTER TABLE [dbo].[movies_to_actors] CHECK CONSTRAINT [acted by]
GO
ALTER TABLE [dbo].[movies_to_actors]  WITH CHECK ADD  CONSTRAINT [are acted by] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
ALTER TABLE [dbo].[movies_to_actors] CHECK CONSTRAINT [are acted by]
GO
ALTER TABLE [dbo].[movies_to_directors]  WITH CHECK ADD  CONSTRAINT [are directed by] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
ALTER TABLE [dbo].[movies_to_directors] CHECK CONSTRAINT [are directed by]
GO
ALTER TABLE [dbo].[movies_to_directors]  WITH CHECK ADD  CONSTRAINT [directed by] FOREIGN KEY([director_id])
REFERENCES [dbo].[directors] ([director_id])
GO
```

```
ALTER TABLE [dbo].[movies_to_directors] CHECK CONSTRAINT [directed by]
GO
ALTER TABLE [dbo].[movies_to_genres]  WITH CHECK ADD  CONSTRAINT [classified by] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
ALTER TABLE [dbo].[movies_to_genres] CHECK CONSTRAINT [classified by]
GO
ALTER TABLE [dbo].[movies_to_genres]  WITH CHECK ADD  CONSTRAINT [classified_in] FOREIGN KEY([genre_id])
REFERENCES [dbo].[genres] ([genre_id])
GO
ALTER TABLE [dbo].[movies_to_genres] CHECK CONSTRAINT [classified_in]
GO
ALTER TABLE [dbo].[Movies_to_soundmix]  WITH CHECK ADD  CONSTRAINT [are available in] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
ALTER TABLE [dbo].[Movies_to_soundmix] CHECK CONSTRAINT [are available in]
GO
ALTER TABLE [dbo].[Movies_to_soundmix]  WITH CHECK ADD  CONSTRAINT [available in] FOREIGN KEY([soundmix_id])
REFERENCES [dbo].[soundmix_technologies] ([soundmix_id])
GO
ALTER TABLE [dbo].[Movies_to_soundmix] CHECK CONSTRAINT [available in]
GO
ALTER TABLE [dbo].[movies_to_writers]  WITH CHECK ADD  CONSTRAINT [are written by] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
ALTER TABLE [dbo].[movies_to_writers] CHECK CONSTRAINT [are written by]
GO
ALTER TABLE [dbo].[movies_to_writers]  WITH CHECK ADD  CONSTRAINT [written by] FOREIGN KEY([writer_id])
REFERENCES [dbo].[writers] ([writer_id])
GO
ALTER TABLE [dbo].[movies_to_writers] CHECK CONSTRAINT [written by]
GO
ALTER TABLE [dbo].[movie-user]  WITH CHECK ADD  CONSTRAINT [review movies] FOREIGN KEY([user_id])
REFERENCES [dbo].[users] ([user_id])
GO
```

```
ALTER TABLE [dbo].[movie-user] CHECK CONSTRAINT [review movies]
GO
ALTER TABLE [dbo].[movie-user]  WITH CHECK ADD  CONSTRAINT [reviewed by] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
ALTER TABLE [dbo].[movie-user] CHECK CONSTRAINT [reviewed by]
GO
ALTER TABLE [dbo].[ratings]  WITH CHECK ADD  CONSTRAINT [gives ratings] FOREIGN KEY([mov-user_id])
REFERENCES [dbo].[movie-user] ([mov-user_id])
GO
ALTER TABLE [dbo].[ratings] CHECK CONSTRAINT [gives ratings]
GO
ALTER TABLE [dbo].[reviews]  WITH CHECK ADD  CONSTRAINT [gives reviews] FOREIGN KEY([mov-user_id])
REFERENCES [dbo].[movie-user] ([mov-user_id])
GO
ALTER TABLE [dbo].[reviews] CHECK CONSTRAINT [gives reviews]
GO
ALTER TABLE [dbo].[soundtracks]  WITH CHECK ADD  CONSTRAINT [have songs] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
ALTER TABLE [dbo].[soundtracks] CHECK CONSTRAINT [have songs]
GO
ALTER TABLE [dbo].[writers]  WITH CHECK ADD  CONSTRAINT [writer<----person] FOREIGN KEY([writer_id])
REFERENCES [dbo].[person] ([person_id])
GO
ALTER TABLE [dbo].[writers] CHECK CONSTRAINT [writer<----person]
GO
/****** Object:  StoredProcedure [dbo].[DeleteDuplicatelanguage_name]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO


--stored procedure to avoid duplicates--
```

```
CREATE PROCEDURE [dbo].[DeleteDuplicatelanguage_name]
@languages VARCHAR(30),
@language_name VARCHAR(30)
AS
BEGIN
        DECLARE @Temp NVARCHAR(500)
        SET @Temp=N'DELETE duplicates
                                FROM (SELECT ROW_NUMBER()
                                OVER (PARTITION BY ' + @languages+ ' ORDER BY ' + @language_name + ') rownumber
                                FROM ' + @languages +') duplicates
                                WHERE duplicates.rownumber > 1';
        EXEC(@Temp);
END

GO
/****** Object:  StoredProcedure [dbo].[deriveAge]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO



---procedure to create derived age column---
CREATE PROCEDURE [dbo].[deriveAge]
AS
BEGIN
        ALTER table [dbo].[person] ADD [age] AS (DATEDIFF(year,date_of_birth, getdate()))
END

GO
USE [master]
GO
ALTER DATABASE [movie_management] SET  READ_WRITE
GOUSE [master]
```

```
GO
/****** Object:  Database [movie_management]    Script Date: 20-04-2017 21:34:40 ******/
CREATE DATABASE [movie_management]
 CONTAINMENT = NONE
 ON  PRIMARY
( NAME = N'movie_management', FILENAME = N'C:\Program Files\Microsoft SQL Server\MSSQL13.MSSQLDEV16\MSSQL\DATA\movie_management.mdf' ,
SIZE = 8192KB , MAXSIZE = UNLIMITED, FILEGROWTH = 65536KB )
 LOG ON
( NAME = N'movie_management_log', FILENAME = N'C:\Program Files\Microsoft SQL
Server\MSSQL13.MSSQLDEV16\MSSQL\DATA\movie_management_log.ldf' , SIZE = 8192KB , MAXSIZE = 2048GB , FILEGROWTH = 65536KB )
GO
ALTER DATABASE [movie_management] SET COMPATIBILITY_LEVEL = 130
GO
IF (1 = FULLTEXTSERVICEPROPERTY('IsFullTextInstalled'))
begin
EXEC [movie_management].[dbo].[sp_fulltext_database] @action = 'enable'
end
GO
ALTER DATABASE [movie_management] SET ANSI_NULL_DEFAULT OFF
GO
ALTER DATABASE [movie_management] SET ANSI_NULLS OFF
GO
ALTER DATABASE [movie_management] SET ANSI_PADDING OFF
GO
ALTER DATABASE [movie_management] SET ANSI_WARNINGS OFF
GO
ALTER DATABASE [movie_management] SET ARITHABORT OFF
GO
ALTER DATABASE [movie_management] SET AUTO_CLOSE OFF
GO
ALTER DATABASE [movie_management] SET AUTO_SHRINK OFF
GO
ALTER DATABASE [movie_management] SET AUTO_UPDATE_STATISTICS ON
GO
ALTER DATABASE [movie_management] SET CURSOR_CLOSE_ON_COMMIT OFF
```

```sql
GO
ALTER DATABASE [movie_management] SET CURSOR_DEFAULT  GLOBAL
GO
ALTER DATABASE [movie_management] SET CONCAT_NULL_YIELDS_NULL OFF
GO
ALTER DATABASE [movie_management] SET NUMERIC_ROUNDABORT OFF
GO
ALTER DATABASE [movie_management] SET QUOTED_IDENTIFIER OFF
GO
ALTER DATABASE [movie_management] SET RECURSIVE_TRIGGERS OFF
GO
ALTER DATABASE [movie_management] SET  ENABLE_BROKER
GO
ALTER DATABASE [movie_management] SET AUTO_UPDATE_STATISTICS_ASYNC OFF
GO
ALTER DATABASE [movie_management] SET DATE_CORRELATION_OPTIMIZATION OFF
GO
ALTER DATABASE [movie_management] SET TRUSTWORTHY OFF
GO
ALTER DATABASE [movie_management] SET ALLOW_SNAPSHOT_ISOLATION OFF
GO
ALTER DATABASE [movie_management] SET PARAMETERIZATION SIMPLE
GO
ALTER DATABASE [movie_management] SET READ_COMMITTED_SNAPSHOT OFF
GO
ALTER DATABASE [movie_management] SET HONOR_BROKER_PRIORITY OFF
GO
ALTER DATABASE [movie_management] SET RECOVERY FULL
GO
ALTER DATABASE [movie_management] SET  MULTI_USER
GO
ALTER DATABASE [movie_management] SET PAGE_VERIFY CHECKSUM
GO
ALTER DATABASE [movie_management] SET DB_CHAINING OFF
GO
```

```sql
ALTER DATABASE [movie_management] SET FILESTREAM( NON_TRANSACTED_ACCESS = OFF )
GO
ALTER DATABASE [movie_management] SET TARGET_RECOVERY_TIME = 60 SECONDS
GO
ALTER DATABASE [movie_management] SET DELAYED_DURABILITY = DISABLED
GO
EXEC sys.sp_db_vardecimal_storage_format N'movie_management', N'ON'
GO
ALTER DATABASE [movie_management] SET QUERY_STORE = OFF
GO
USE [movie_management]
GO
ALTER DATABASE SCOPED CONFIGURATION SET MAXDOP = 0;
GO
ALTER DATABASE SCOPED CONFIGURATION FOR SECONDARY SET MAXDOP = PRIMARY;
GO
ALTER DATABASE SCOPED CONFIGURATION SET LEGACY_CARDINALITY_ESTIMATION = OFF;
GO
ALTER DATABASE SCOPED CONFIGURATION FOR SECONDARY SET LEGACY_CARDINALITY_ESTIMATION = PRIMARY;
GO
ALTER DATABASE SCOPED CONFIGURATION SET PARAMETER_SNIFFING = ON;
GO
ALTER DATABASE SCOPED CONFIGURATION FOR SECONDARY SET PARAMETER_SNIFFING = PRIMARY;
GO
ALTER DATABASE SCOPED CONFIGURATION SET QUERY_OPTIMIZER_HOTFIXES = OFF;
GO
ALTER DATABASE SCOPED CONFIGURATION FOR SECONDARY SET QUERY_OPTIMIZER_HOTFIXES = PRIMARY;
GO
USE [movie_management]
GO
/****** Object:  UserDefinedFunction [dbo].[GetDirectorWithMostDirectedMovies]    Script Date: 20-04-2017 21:34:40 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
```

```sql
--user function to extract Director with most movies directed--
CREATE FUNCTION [dbo].[GetDirectorWithMostDirectedMovies]()
RETURNS VARCHAR(20) AS
BEGIN
        DECLARE @Movies_directed int
        SET @Movies_directed = (SELECT max(movies_directed) FROM directors)

        DECLARE @Person_id int
        SET @Person_id = (SELECT director_id FROM directors WHERE movies_directed = @Movies_directed)

        DECLARE @Director_name VARCHAR(20)
        SET @Director_name = (SELECT full_name FROM person WHERE person_id = @Person_id)

        return @Director_name
END

GO
/****** Object:  UserDefinedFunction [dbo].[GetWriterWithMostMostLiteraryAwardsWon]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO

--user function to extract writer with most awards won--
CREATE FUNCTION [dbo].[GetWriterWithMostMostLiteraryAwardsWon]()
RETURNS VARCHAR(20) AS
BEGIN
        DECLARE @Awards_won int
        SET @Awards_won = (SELECT max(literary_awards_won) FROM writers)

        DECLARE @Person_id2 int
        SET @Person_id2 = (SELECT writer_id FROM writers WHERE literary_awards_won = @Awards_won)

        DECLARE @Writer_name VARCHAR(20)
```

```sql
        SET @Writer_name = (SELECT full_name FROM person WHERE person_id = @Person_id2)


        return @Writer_name
END


GO
/****** Object:  Table [dbo].[countries]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[countries](
        [country_id] [int] IDENTITY(1,1) NOT NULL,
        [country_name] [varchar](50) NULL,
 CONSTRAINT [Key4] PRIMARY KEY CLUSTERED
(
-       [country_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]


GO
/****** Object:  Table [dbo].[countries_to_movies]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[countries_to_movies](
        [movie_id] [int] NOT NULL,
        [country_id] [int] NOT NULL,
 CONSTRAINT [Key8] PRIMARY KEY CLUSTERED
(
        [movie_id] ASC,
        [country_id] ASC
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[movies]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[movies](
        [movie_id] [int] IDENTITY(1,1) NOT NULL,
        [movie_name] [varchar](50) NOT NULL,
        [movie_year] [smallint] NOT NULL,
        [release_date] [date] NOT NULL,
        [runtime] [time](7) NOT NULL,
 CONSTRAINT [Key1] PRIMARY KEY CLUSTERED
(
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  View [dbo].[movie_in_country]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
-


--view on country and movies----

CREATE VIEW [dbo].[movie_in_country]
```

```sql
AS
SELECT m.movie_id, m.movie_name, m.release_date, c.country_name
FROM movies m
JOIN countries_to_movies c2m
        ON m.movie_id = c2m.movie_id
JOIN countries c
        ON c2m.country_id = c.country_id;


GO
/****** Object:  Table [dbo].[languages]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[languages](
        [language_id] [int] IDENTITY(1,1) NOT NULL,
        [language_name] [varchar](30) NULL,
 CONSTRAINT [Key10] PRIMARY KEY CLUSTERED
(
        [language_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]


GO
/****** Object:  Table [dbo].[languages_to_movies]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[languages_to_movies](
        [language_id] [int] NOT NULL,
        [movie_id] [int] NOT NULL,
 CONSTRAINT [Key27] PRIMARY KEY CLUSTERED
(
```

```
        [language_id] ASC,
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]


GO
/****** Object:  View [dbo].[movie_in_language]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO



--view on language and movies---
CREATE VIEW [dbo].[movie_in_language]
AS
SELECT m.movie_id, m.movie_name, m.release_date, l.language_name
FROM movies m
JOIN languages_to_movies l2m
        ON m.movie_id = l2m.movie_id
JOIN languages l
        ON l2m.language_id = l.language_id;


GO
/****** Object:  Table [dbo].[actors]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[actors](
        [actor_id] [int] IDENTITY(1,1) NOT NULL,
        [awards_won] [int] NULL,
 CONSTRAINT [Key13] PRIMARY KEY CLUSTERED
(
```

```
        [actor_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]


GO
/****** Object:  Table [dbo].[awards]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[awards](
        [award_name] [varchar](20) NOT NULL,
        [nomination _status] [bit] NOT NULL,
        [won_Status] [bit] NOT NULL,
        [movie_id] [int] NOT NULL,
 CONSTRAINT [Key2] PRIMARY KEY CLUSTERED
(
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]


GO
/****** Object:  Table [dbo].[classification_to_movies]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[classification_to_movies](
        [classification_id] [int] NOT NULL,
        [movie_id] [int] NOT NULL,
 CONSTRAINT [Key26] PRIMARY KEY CLUSTERED
(
        [classification_id] ASC,
```

```
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[company_production]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[company_production](
        [company_name] [varchar](30) NULL,
        [company_id] [int] IDENTITY(1,1) NOT NULL,
        [website] [varchar](30) NULL,
        [email-id] [varchar](30) NULL,
 CONSTRAINT [Key17] PRIMARY KEY CLUSTERED
(
        [company_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[directors]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[directors](
        [director_id] [int] NOT NULL,
        [movies_directed] [int] NULL,
 CONSTRAINT [Key14] PRIMARY KEY CLUSTERED
(
        [director_id] ASC
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[genres]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[genres](
        [genre_id] [int] IDENTITY(1,1) NOT NULL,
        [genre_name] [varchar](15) NULL,
 CONSTRAINT [Key11] PRIMARY KEY CLUSTERED
(
        [genre_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[movie_company]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[movie_company](
        [company_id] [int] NOT NULL,
        [movie_id] [int] NOT NULL,
 CONSTRAINT [Key22] PRIMARY KEY CLUSTERED
(
        [company_id] ASC,
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
```

```
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[movie_description]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[movie_description](
        [storyline] [varchar](300) NULL,
        [plot_summary] [varchar](1000) NULL,
        [plot_synopsys] [varchar](1000) NULL,
        [movie_id] [int] NOT NULL,
 CONSTRAINT [Key12] PRIMARY KEY CLUSTERED
(
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[movie_link]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[movie_link](
        [amazon_video] [varchar](300) NULL,
        [on_disc] [varchar](200) NULL,
        [movie_id] [int] NOT NULL,
 CONSTRAINT [Key18] PRIMARY KEY CLUSTERED
(
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
```

```
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[movies_to_actors]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[movies_to_actors](
       [movie_id] [int] NOT NULL,
       [actor_id] [int] NOT NULL,
 CONSTRAINT [Key19] PRIMARY KEY CLUSTERED
(
       [movie_id] ASC,
       [actor_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[movies_to_directors]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[movies_to_directors](
       [movie_id] [int] NOT NULL,
       [director_id] [int] NOT NULL,
 CONSTRAINT [Key20] PRIMARY KEY CLUSTERED
(
       [movie_id] ASC,
       [director_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]
```

```
GO
/****** Object:  Table [dbo].[movies_to_genres]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[movies_to_genres](
        [genre_id] [int] NOT NULL,
        [movie_id] [int] NOT NULL,
 CONSTRAINT [Key28] PRIMARY KEY CLUSTERED
(
        [genre_id] ASC,
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[Movies_to_soundmix]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Movies_to_soundmix](
        [movie_id] [int] NOT NULL,
        [soundmix_id] [int] NOT NULL,
 CONSTRAINT [Key23] PRIMARY KEY CLUSTERED
(
        [movie_id] ASC,
        [soundmix_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]
```

```sql
GO
/****** Object:  Table [dbo].[movies_to_writers]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[movies_to_writers](
        [movie_id] [int] NOT NULL,
        [writer_id] [int] NOT NULL,
 CONSTRAINT [Key21] PRIMARY KEY CLUSTERED
(
        [movie_id] ASC,
        [writer_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[movie-user]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[movie-user](
        [movie_id] [int] NOT NULL,
        [user_id] [int] NOT NULL,
        [mov-user_id] [int] IDENTITY(1,1) NOT NULL
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[MPAA_classification]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
```

```
CREATE TABLE [dbo].[MPAA_classification](
        [classification] [varchar](5) NULL,
        [classification_id] [int] IDENTITY(1,1) NOT NULL,
 CONSTRAINT [Key16] PRIMARY KEY CLUSTERED
(
        [classification_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[person]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[person](
        [person_id] [int] IDENTITY(1,1) NOT NULL,
        [full_name] [varchar](20) NOT NULL,
        [biography] [varchar](200) NULL,
        [date_of_birth] [date] NULL,
        [city_of_birth] [varchar](20) NULL,
        [age]  AS (datediff(year,[date_of_birth],getdate())),
 CONSTRAINT [Key24] PRIMARY KEY CLUSTERED
(
        [person_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[ratings]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
```

```
GO
CREATE TABLE [dbo].[ratings](
        [imdb_rating] [decimal](3, 1) NOT NULL,
        [metascore] [int] NULL,
        [votes] [bigint] NULL,
        [mov-user_id] [int] NOT NULL,
 CONSTRAINT [Key6] PRIMARY KEY CLUSTERED
(
        [mov-user_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[reviews]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[reviews](
        [review_timestamp] [datetime] NULL,
        [review_body] [varchar](100) NOT NULL,
        [mov-user_id] [int] NOT NULL,
 CONSTRAINT [Key5] PRIMARY KEY CLUSTERED
(
        [mov-user_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[soundmix_technologies]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
```

```
GO
CREATE TABLE [dbo].[soundmix_technologies](
        [soundmix_id] [int] IDENTITY(1,1) NOT NULL,
        [soundmix] [varchar](10) NULL,
 CONSTRAINT [Key3] PRIMARY KEY CLUSTERED
(
        [soundmix_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[soundtracks]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[soundtracks](
        [soundtrack_id] [int] IDENTITY(1,1) NOT NULL,
        [soundtrack_name] [varchar](30) NULL,
        [movie_id] [int] NOT NULL,
 CONSTRAINT [Key9] PRIMARY KEY CLUSTERED
(
        [soundtrack_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[users]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[users](
```

```
        [user_id] [int] IDENTITY(1,1) NOT NULL,
        [email_id] [varchar](320) NOT NULL,
        [gender] [char](1) NULL,
        [password] [varbinary](200) NOT NULL,
        [date_of_birth] [date] NULL,
        [zip] [varchar](10) NULL,
        [country_of_residence] [varchar](50) NULL,
        [full_name] [varchar](50) NULL,
 CONSTRAINT [Key7] PRIMARY KEY CLUSTERED
(
        [user_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
/****** Object:  Table [dbo].[writers]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[writers](
        [writer_id] [int] NOT NULL,
        [literary_awards_won] [int] NULL,
        [years_in_industry] [int] NULL,
 CONSTRAINT [Key15] PRIMARY KEY CLUSTERED
(
        [writer_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON
[PRIMARY]
) ON [PRIMARY]

GO
SET IDENTITY_INSERT [dbo].[actors] ON
```

```
INSERT [dbo].[actors] ([actor_id], [awards_won]) VALUES (1, 13)
INSERT [dbo].[actors] ([actor_id], [awards_won]) VALUES (2, 4)
INSERT [dbo].[actors] ([actor_id], [awards_won]) VALUES (3, 40)
INSERT [dbo].[actors] ([actor_id], [awards_won]) VALUES (4, 16)
INSERT [dbo].[actors] ([actor_id], [awards_won]) VALUES (5, 5)
SET IDENTITY_INSERT [dbo].[actors] OFF
INSERT [dbo].[awards] ([award_name], [nomination _status], [won_Status], [movie_id]) VALUES (N'Oscar', 1, 1, 1)
INSERT [dbo].[awards] ([award_name], [nomination _status], [won_Status], [movie_id]) VALUES (N'SGA Awards', 1, 1, 2)
INSERT [dbo].[awards] ([award_name], [nomination _status], [won_Status], [movie_id]) VALUES (N'Golden Globe', 1, 0, 3)
INSERT [dbo].[awards] ([award_name], [nomination _status], [won_Status], [movie_id]) VALUES (N'People''s Choice', 1, 0, 4)
INSERT [dbo].[awards] ([award_name], [nomination _status], [won_Status], [movie_id]) VALUES (N'Academy Awards', 1, 1, 5)
INSERT [dbo].[classification_to_movies] ([classification_id], [movie_id]) VALUES (1, 1)
INSERT [dbo].[classification_to_movies] ([classification_id], [movie_id]) VALUES (4, 2)
INSERT [dbo].[classification_to_movies] ([classification_id], [movie_id]) VALUES (2, 3)
INSERT [dbo].[classification_to_movies] ([classification_id], [movie_id]) VALUES (3, 4)
INSERT [dbo].[classification_to_movies] ([classification_id], [movie_id]) VALUES (5, 5)
SET IDENTITY_INSERT [dbo].[company_production] ON

INSERT [dbo].[company_production] ([company_name], [company_id], [website], [email-id]) VALUES (N'ABC Productions', 1, N'www.abcproduction.com',
N'abcprod@production.com')
INSERT [dbo].[company_production] ([company_name], [company_id], [website], [email-id]) VALUES (N'Star House', 2, N'www.StarhouseCA.com',
N'house@star.com')
INSERT [dbo].[company_production] ([company_name], [company_id], [website], [email-id]) VALUES (N'Hollywood Studios', 3, N'www.StudiosLL.com',
N'StudiosLL@hotmail.com')
INSERT [dbo].[company_production] ([company_name], [company_id], [website], [email-id]) VALUES (N'RhodeIsland Cooperations', 4,
N'www.FoxStudiosRI.com', N'RICooperations@gmail.com')
INSERT [dbo].[company_production] ([company_name], [company_id], [website], [email-id]) VALUES (N'BBCWorld', 5, N'www.BBCWorld.com',
N'World@BBC.com')
SET IDENTITY_INSERT [dbo].[company_production] OFF
SET IDENTITY_INSERT [dbo].[countries] ON

INSERT [dbo].[countries] ([country_id], [country_name]) VALUES (1, N'United States of America')
INSERT [dbo].[countries] ([country_id], [country_name]) VALUES (2, N'India')
INSERT [dbo].[countries] ([country_id], [country_name]) VALUES (3, N'Germany')
INSERT [dbo].[countries] ([country_id], [country_name]) VALUES (4, N'France')
```

```
INSERT [dbo].[countries] ([country_id], [country_name]) VALUES (5, N'England')
INSERT [dbo].[countries] ([country_id], [country_name]) VALUES (6, N'China')
SET IDENTITY_INSERT [dbo].[countries] OFF
INSERT [dbo].[countries_to_movies] ([movie_id], [country_id]) VALUES (1, 2)
INSERT [dbo].[countries_to_movies] ([movie_id], [country_id]) VALUES (2, 5)
INSERT [dbo].[countries_to_movies] ([movie_id], [country_id]) VALUES (3, 4)
INSERT [dbo].[countries_to_movies] ([movie_id], [country_id]) VALUES (4, 3)
INSERT [dbo].[countries_to_movies] ([movie_id], [country_id]) VALUES (5, 1)
INSERT [dbo].[directors] ([director_id], [movies_directed]) VALUES (6, 8)
INSERT [dbo].[directors] ([director_id], [movies_directed]) VALUES (7, 9)
INSERT [dbo].[directors] ([director_id], [movies_directed]) VALUES (8, 15)
INSERT [dbo].[directors] ([director_id], [movies_directed]) VALUES (9, 2)
INSERT [dbo].[directors] ([director_id], [movies_directed]) VALUES (10, 1)
SET IDENTITY_INSERT [dbo].[genres] ON

INSERT [dbo].[genres] ([genre_id], [genre_name]) VALUES (1, N'Romantic')
INSERT [dbo].[genres] ([genre_id], [genre_name]) VALUES (2, N'Drama')
INSERT [dbo].[genres] ([genre_id], [genre_name]) VALUES (3, N'Crime')
INSERT [dbo].[genres] ([genre_id], [genre_name]) VALUES (4, N'Horror')
INSERT [dbo].[genres] ([genre_id], [genre_name]) VALUES (5, N'Mystery')
SET IDENTITY_INSERT [dbo].[genres] OFF
SET IDENTITY_INSERT [dbo].[languages] ON

INSERT [dbo].[languages] ([language_id], [language_name]) VALUES (1, N'English')
INSERT [dbo].[languages] ([language_id], [language_name]) VALUES (2, N'French')
INSERT [dbo].[languages] ([language_id], [language_name]) VALUES (3, N'German')
INSERT [dbo].[languages] ([language_id], [language_name]) VALUES (4, N'Korean')
INSERT [dbo].[languages] ([language_id], [language_name]) VALUES (5, N'Mandarin')
INSERT [dbo].[languages] ([language_id], [language_name]) VALUES (6, N'Mandarin')
SET IDENTITY_INSERT [dbo].[languages] OFF
INSERT [dbo].[languages_to_movies] ([language_id], [movie_id]) VALUES (3, 1)
INSERT [dbo].[languages_to_movies] ([language_id], [movie_id]) VALUES (1, 2)
INSERT [dbo].[languages_to_movies] ([language_id], [movie_id]) VALUES (5, 3)
INSERT [dbo].[languages_to_movies] ([language_id], [movie_id]) VALUES (4, 4)
INSERT [dbo].[languages_to_movies] ([language_id], [movie_id]) VALUES (4, 5)
```

```
INSERT [dbo].[movie_company] ([company_id], [movie_id]) VALUES (1, 2)
INSERT [dbo].[movie_company] ([company_id], [movie_id]) VALUES (2, 4)
INSERT [dbo].[movie_company] ([company_id], [movie_id]) VALUES (3, 1)
INSERT [dbo].[movie_company] ([company_id], [movie_id]) VALUES (4, 5)
INSERT [dbo].[movie_company] ([company_id], [movie_id]) VALUES (5, 3)
INSERT [dbo].[movie_link] ([amazon_video], [on_disc], [movie_id]) VALUES
(N'https://www.amazon.com/dp/B001EBV0OY?ref_=imdbref_tt_wbr_aiv&tag=imdbtag_tt_wbr_aiv-20',
N'https://www.amazon.com/dp/B000P0J0EW?ref_=imdbref_tt_wbr_amazon&tag=imdbtag_tt_wbr_amazon-20', 1)
INSERT [dbo].[movie_link] ([amazon_video], [on_disc], [movie_id]) VALUES
(N'https://www.amazon.com/dp/B005DNPFUE?ref_=imdbref_tt_wbr_aiv&tag=imdbtag_tt_wbr_aiv-20',
N'https://www.amazon.com/dp/B0019L770A?ref_=imdbref_tt_wbr_amazon&tag=imdbtag_tt_wbr_amazon-20', 2)
INSERT [dbo].[movie_link] ([amazon_video], [on_disc], [movie_id]) VALUES (NULL,
N'https://www.amazon.com/dp/B00005NB94?ref_=imdbref_tt_wbr_amazon&tag=imdbtag_tt_wbr_amazon-20', 3)
INSERT [dbo].[movie_link] ([amazon_video], [on_disc], [movie_id]) VALUES
(N'https://www.amazon.com/dp/B001XUPF2O?ref_=imdbref_tt_wbr_aiv&tag=imdbtag_tt_wbr_aiv-20',
N'https://www.amazon.com/dp/B001GZ6QC4?ref_=imdbref_tt_wbr_amazon&tag=imdbtag_tt_wbr_amazon-20', 4)
INSERT [dbo].[movie_link] ([amazon_video], [on_disc], [movie_id]) VALUES
(N'https://www.amazon.com/dp/B00AHSIQWE?ref_=imdbref_tt_wbr_aiv&tag=imdbtag_tt_wbr_aiv-20',
N'https://www.amazon.com/dp/B004LWZWGA?ref_=imdbref_tt_wbr_amazon&tag=imdbtag_tt_wbr_amazon-20', 5)
SET IDENTITY_INSERT [dbo].[movies] ON

INSERT [dbo].[movies] ([movie_id], [movie_name], [movie_year], [release_date], [runtime]) VALUES (1, N' The Shawshank Redemption', 1994,
CAST(N'1994-01-11' AS Date), CAST(N'02:01:56' AS Time))
INSERT [dbo].[movies] ([movie_id], [movie_name], [movie_year], [release_date], [runtime]) VALUES (2, N'The Godfather', 1972, CAST(N'1972-03-21' AS
Date), CAST(N'02:03:51' AS Time))
INSERT [dbo].[movies] ([movie_id], [movie_name], [movie_year], [release_date], [runtime]) VALUES (3, N'Arabian Nights', 1936, CAST(N'1936-04-22' AS
Date), CAST(N'03:02:36' AS Time))
INSERT [dbo].[movies] ([movie_id], [movie_name], [movie_year], [release_date], [runtime]) VALUES (4, N'The Dark Knight', 1974, CAST(N'1974-03-21' AS
Date), CAST(N'01:59:06' AS Time))
INSERT [dbo].[movies] ([movie_id], [movie_name], [movie_year], [release_date], [runtime]) VALUES (5, N'The Dark Knight Rises', 1978, CAST(N'1978-02-22'
AS Date), CAST(N'01:58:46' AS Time))
SET IDENTITY_INSERT [dbo].[movies] OFF
INSERT [dbo].[movies_to_actors] ([movie_id], [actor_id]) VALUES (1, 2)
INSERT [dbo].[movies_to_actors] ([movie_id], [actor_id]) VALUES (2, 3)
INSERT [dbo].[movies_to_actors] ([movie_id], [actor_id]) VALUES (3, 5)
```

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INSERT [dbo].[movies_to_actors] ([movie_id], [actor_id]) VALUES (4, 1)
INSERT [dbo].[movies_to_actors] ([movie_id], [actor_id]) VALUES (5, 4)
INSERT [dbo].[movies_to_directors] ([movie_id], [director_id]) VALUES (1, 6)
INSERT [dbo].[movies_to_directors] ([movie_id], [director_id]) VALUES (2, 7)
INSERT [dbo].[movies_to_directors] ([movie_id], [director_id]) VALUES (3, 8)
INSERT [dbo].[movies_to_directors] ([movie_id], [director_id]) VALUES (4, 9)
INSERT [dbo].[movies_to_directors] ([movie_id], [director_id]) VALUES (5, 10)
INSERT [dbo].[movies_to_genres] ([genre_id], [movie_id]) VALUES (1, 1)
INSERT [dbo].[movies_to_genres] ([genre_id], [movie_id]) VALUES (4, 2)
INSERT [dbo].[movies_to_genres] ([genre_id], [movie_id]) VALUES (2, 3)
INSERT [dbo].[movies_to_genres] ([genre_id], [movie_id]) VALUES (3, 4)
INSERT [dbo].[movies_to_genres] ([genre_id], [movie_id]) VALUES (5, 5)
INSERT [dbo].[Movies_to_soundmix] ([movie_id], [soundmix_id]) VALUES (1, 1)
INSERT [dbo].[Movies_to_soundmix] ([movie_id], [soundmix_id]) VALUES (2, 3)
INSERT [dbo].[Movies_to_soundmix] ([movie_id], [soundmix_id]) VALUES (3, 2)
INSERT [dbo].[Movies_to_soundmix] ([movie_id], [soundmix_id]) VALUES (4, 5)
INSERT [dbo].[Movies_to_soundmix] ([movie_id], [soundmix_id]) VALUES (5, 4)
INSERT [dbo].[movies_to_writers] ([movie_id], [writer_id]) VALUES (1, 11)
INSERT [dbo].[movies_to_writers] ([movie_id], [writer_id]) VALUES (2, 12)
INSERT [dbo].[movies_to_writers] ([movie_id], [writer_id]) VALUES (3, 13)
INSERT [dbo].[movies_to_writers] ([movie_id], [writer_id]) VALUES (4, 15)
INSERT [dbo].[movies_to_writers] ([movie_id], [writer_id]) VALUES (5, 14)
SET IDENTITY_INSERT [dbo].[movie-user] ON

INSERT [dbo].[movie-user] ([movie_id], [user_id], [mov-user_id]) VALUES (1, 1, 1)
INSERT [dbo].[movie-user] ([movie_id], [user_id], [mov-user_id]) VALUES (2, 3, 2)
INSERT [dbo].[movie-user] ([movie_id], [user_id], [mov-user_id]) VALUES (3, 4, 3)
INSERT [dbo].[movie-user] ([movie_id], [user_id], [mov-user_id]) VALUES (4, 5, 4)
INSERT [dbo].[movie-user] ([movie_id], [user_id], [mov-user_id]) VALUES (5, 2, 5)
SET IDENTITY_INSERT [dbo].[movie-user] OFF
SET IDENTITY_INSERT [dbo].[MPAA_classification] ON

INSERT [dbo].[MPAA_classification] ([classification], [classification_id]) VALUES (N'G', 1)
INSERT [dbo].[MPAA_classification] ([classification], [classification_id]) VALUES (N'PG', 2)
INSERT [dbo].[MPAA_classification] ([classification], [classification_id]) VALUES (N'PG-13', 3)
```

INSERT [dbo].[MPAA_classification] ([classification], [classification_id]) VALUES (N'Rf', 4)
INSERT [dbo].[MPAA_classification] ([classification], [classification_id]) VALUES (N'NC-17', 5)
SET IDENTITY_INSERT [dbo].[MPAA_classification] OFF
SET IDENTITY_INSERT [dbo].[person] ON

INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (1, N'Marlon Brando', N'Marlon Brando is widely considered the greatest movie actor of all time, rivaled only by the more theatrically oriented Laurence Olivier in terms of esteem. ', CAST(N'1924-04-24' AS Date), N'Nebrasaka')
INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (2, N'Al Pacino', N'One of the greatest actors in all of film history, Al Pacino established himself during one of film''s greatest decades, the 1970s', CAST(N'1940-05-06' AS Date), N'Manhattan')
INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (3, N'James Caan', N'A masculine and enigmatic actor whose life and movie career have had more ups and downs than the average rollercoaster ', CAST(N'1940-03-01' AS Date), N'The Bronx')
INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (4, N'Robert Duvall', N'Veteran actor and director Robert Selden Duvall was born on January 5, 1931, in San Diego, CA,', CAST(N'1931-04-23' AS Date), N'San Diego')
INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (5, N'Rudy Bond', N' Bond was raised in Philadelphia. He got his start at the Neighborhood Players.', CAST(N'1912-03-14' AS Date), N'Denver')
INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (6, N'James Ponsoldt', N' He is a director and producer, known for The Spectacular Now (2013), Smashed (2012) and The End of the Tour (2015)', CAST(N'1978-03-24' AS Date), N'Georgia')
INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (7, N'Justin Barber', N'Justin Barber is known for his work on Phoenix Forgotten (2017) and Medicine for Melancholy (2008)', CAST(N'1992-04-19' AS Date), N'New York City')
INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (8, N'Barry Jenkins', N'He is a writer and director, known for Moonlight (2016), Medicine for Melancholy (2008) and My Josephine (2003)', CAST(N'1990-04-03' AS Date), N'Miami')
INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (9, N'Quentin Tarantino', N'The lives of two mob hit men, a boxer, a gangster''s wife, and a pair of diner bandits intertwine in four tales of violence and redemption', CAST(N'1980-09-22' AS Date), N'Boston')
INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (10, N'Evan Goldberg', N'Goldberg is known for his work on Superbad, Knocked Up, Pineapple Express, Funny People, The Green Hornet, 50/50, Goon.', CAST(N'1990-01-18' AS Date), N'Atlanta')
INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (11, N'Seth Rogen', N'An actor, comedian and writer, Seth Rogen has come a long way from doing stand-up comedy as a teen.', CAST(N'1982-04-15' AS Date), N'Chicago')
INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (12, N'Andrew Jay Cohen', N'Known for his debut Neighbours 2.', CAST(N'1968-12-03' AS Date), N'Los Angeles')
INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (13, N'John Lucas', N'on Lucas is a writer and producer, known for The Hangover (2009), The Hangover Part II (2011) and The Hangover Part III (2013).', CAST(N'1978-04-03' AS Date), N'Washington D.C.')
INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (14, N'Craig Mazin', N' He is a writer and producer, known for Identity Thief (2013), The Hangover Part II (2011) and The Hangover Part III (2013).', CAST(N'1975-04-09' AS Date), N'Brooklyn')

INSERT [dbo].[person] ([person_id], [full_name], [biography], [date_of_birth], [city_of_birth]) VALUES (15, N'Greg Erb', N'known for The Princess and the Frog (2009), RocketMan (1997) and Senseless (1998)', CAST(N'1976-03-09' AS Date), N'San Antonio')
SET IDENTITY_INSERT [dbo].[person] OFF
INSERT [dbo].[ratings] ([imdb_rating], [metascore], [votes], [mov-user_id]) VALUES (CAST(7.8 AS Decimal(3, 1)), 88, 190000, 1)
INSERT [dbo].[ratings] ([imdb_rating], [metascore], [votes], [mov-user_id]) VALUES (CAST(9.4 AS Decimal(3, 1)), 90, 14000, 2)
INSERT [dbo].[ratings] ([imdb_rating], [metascore], [votes], [mov-user_id]) VALUES (CAST(6.8 AS Decimal(3, 1)), 78, 16000, 3)
INSERT [dbo].[ratings] ([imdb_rating], [metascore], [votes], [mov-user_id]) VALUES (CAST(7.5 AS Decimal(3, 1)), 90, 64520, 4)
INSERT [dbo].[ratings] ([imdb_rating], [metascore], [votes], [mov-user_id]) VALUES (CAST(9.6 AS Decimal(3, 1)), 97, 1530489, 5)
INSERT [dbo].[reviews] ([review_timestamp], [review_body], [mov-user_id]) VALUES (CAST(N'2017-04-20T21:22:10.320' AS DateTime), N'Tied for the best movie I have ever seen.', 1)
INSERT [dbo].[reviews] ([review_timestamp], [review_body], [mov-user_id]) VALUES (CAST(N'2017-04-20T21:22:10.320' AS DateTime), N'It is a simple film, yet it has an everlasting message. ', 2)
INSERT [dbo].[reviews] ([review_timestamp], [review_body], [mov-user_id]) VALUES (CAST(N'2017-04-20T21:22:10.320' AS DateTime), N'A classic piece of unforgettable film-making', 3)
INSERT [dbo].[reviews] ([review_timestamp], [review_body], [mov-user_id]) VALUES (CAST(N'2017-04-20T21:22:10.320' AS DateTime), N'I was so impressed with how every single subplot was given a great deal of respect from actor.', 4)
INSERT [dbo].[reviews] ([review_timestamp], [review_body], [mov-user_id]) VALUES (CAST(N'2017-04-20T21:22:10.320' AS DateTime), N'One of the finest films made in recent years. It''s a poignant story about hope. Hope gets me', 5)
SET IDENTITY_INSERT [dbo].[soundmix_technologies] ON

INSERT [dbo].[soundmix_technologies] ([soundmix_id], [soundmix]) VALUES (1, N'dolby')
INSERT [dbo].[soundmix_technologies] ([soundmix_id], [soundmix]) VALUES (2, N'mono')
INSERT [dbo].[soundmix_technologies] ([soundmix_id], [soundmix]) VALUES (3, N'DTS')
INSERT [dbo].[soundmix_technologies] ([soundmix_id], [soundmix]) VALUES (4, N'DTS-Sterio')
INSERT [dbo].[soundmix_technologies] ([soundmix_id], [soundmix]) VALUES (5, N'dts-sound ')
SET IDENTITY_INSERT [dbo].[soundmix_technologies] OFF
SET IDENTITY_INSERT [dbo].[soundtracks] ON

INSERT [dbo].[soundtracks] ([soundtrack_id], [soundtrack_name], [movie_id]) VALUES (1, N'LAla laa', 2)
INSERT [dbo].[soundtracks] ([soundtrack_id], [soundtrack_name], [movie_id]) VALUES (2, N'no talking', 2)
INSERT [dbo].[soundtracks] ([soundtrack_id], [soundtrack_name], [movie_id]) VALUES (3, N'verito losano', 1)
INSERT [dbo].[soundtracks] ([soundtrack_id], [soundtrack_name], [movie_id]) VALUES (4, N'it''s my birthday', 4)
INSERT [dbo].[soundtracks] ([soundtrack_id], [soundtrack_name], [movie_id]) VALUES (5, N'white emotions', 5)
INSERT [dbo].[soundtracks] ([soundtrack_id], [soundtrack_name], [movie_id]) VALUES (6, N'god knows better', 3)
INSERT [dbo].[soundtracks] ([soundtrack_id], [soundtrack_name], [movie_id]) VALUES (7, N'we don''t', 4)

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SET IDENTITY_INSERT [dbo].[soundtracks] OFF
SET IDENTITY_INSERT [dbo].[users] ON

INSERT [dbo].[users] ([user_id], [email_id], [gender], [password], [date_of_birth], [zip], [country_of_residence], [full_name]) VALUES (1,
N'shina.goel@gmail.com', N'F',
0x0015FA0E737A68418A66DD1635F8B901010000009E84225EDD0B8E3B471A0D3476947E4BF14747BB0886E6F4604033DF585090464191245292E37744C
12FC19F903C78C3, CAST(N'1994-02-12' AS Date), N'2120', N'USA', N'Shina Goel')
INSERT [dbo].[users] ([user_id], [email_id], [gender], [password], [date_of_birth], [zip], [country_of_residence], [full_name]) VALUES (2,
N'Sardana@gmail.com', N'F',
0x00A705890703D348996C6F02E65C33B001000000825FCA936528006777DF92111AC2A71833BF8416EBA2FE76389441082618E903, CAST(N'1994-03-04'
AS Date), N'2125', N'USA', N'Himani Sardana')
INSERT [dbo].[users] ([user_id], [email_id], [gender], [password], [date_of_birth], [zip], [country_of_residence], [full_name]) VALUES (3,
N'sweetgirl@gmail.com', N'F',
0x0011F6FFAA45474AA6ED1713A647B92601000000B362B4E9C6C2F85AACB53778DBEE43B7D8469E042C0FDCF36914E9AA19CF59C0B9C23E63E3B8FF26F
E0B11321909D3F8, CAST(N'1972-03-04' AS Date), N'2120', N'USA', N'Lindsay Taylor')
INSERT [dbo].[users] ([user_id], [email_id], [gender], [password], [date_of_birth], [zip], [country_of_residence], [full_name]) VALUES (4,
N'Johnnybatman@gmail.com', N'M',
0x00533E95FB974E449EEE8440BBB7966B01000000EA4674BF0E48F869004E9E7E3D15BB19F7374DD8EE9762C170790956570167BE, CAST(N'1920-04-05'
AS Date), N'2150', N'USA', N'Johnny Mcgrawth')
INSERT [dbo].[users] ([user_id], [email_id], [gender], [password], [date_of_birth], [zip], [country_of_residence], [full_name]) VALUES (5,
N'Xuengrockingguy@yahoo.com', N'M',
0x00FC8E7C1484E643AE6D54273EB935C60100000029E7E87E3A20E7BE0EA952FF3F320637CF32F515AD01CA8C871A51924067EBA936272A8D500638E9E
B13E8F16B52F33D, CAST(N'1987-06-11' AS Date), N'2145', N'USA', N'XuengChie')
SET IDENTITY_INSERT [dbo].[users] OFF
INSERT [dbo].[writers] ([writer_id], [literary_awards_won], [years_in_industry]) VALUES (11, 5, 15)
INSERT [dbo].[writers] ([writer_id], [literary_awards_won], [years_in_industry]) VALUES (12, 3, 5)
INSERT [dbo].[writers] ([writer_id], [literary_awards_won], [years_in_industry]) VALUES (13, 4, 6)
INSERT [dbo].[writers] ([writer_id], [literary_awards_won], [years_in_industry]) VALUES (14, 6, 9)
INSERT [dbo].[writers] ([writer_id], [literary_awards_won], [years_in_industry]) VALUES (15, 9, 12)
/****** Object:  Index [IX_Relationship2]    Script Date: 20-04-2017 21:34:41 ******/
CREATE NONCLUSTERED INDEX [IX_Relationship2] ON [dbo].[awards]
(
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, DROP_EXISTING = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
```

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GO
/****** Object:  Index [IX_Relationship13]    Script Date: 20-04-2017 21:34:41 ******/
CREATE NONCLUSTERED INDEX [IX_Relationship13] ON [dbo].[classification_to_movies]
(
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, DROP_EXISTING = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
GO
/****** Object:  Index [IX_Relationship14]    Script Date: 20-04-2017 21:34:41 ******/
CREATE NONCLUSTERED INDEX [IX_Relationship14] ON [dbo].[languages_to_movies]
(
        [language_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, DROP_EXISTING = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
GO
/****** Object:  Index [IX_Relationship15]    Script Date: 20-04-2017 21:34:41 ******/
CREATE NONCLUSTERED INDEX [IX_Relationship15] ON [dbo].[languages_to_movies]
(
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, DROP_EXISTING = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
GO
/****** Object:  Index [IX_Relationship8]    Script Date: 20-04-2017 21:34:41 ******/
CREATE NONCLUSTERED INDEX [IX_Relationship8] ON [dbo].[movie_description]
(
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, DROP_EXISTING = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
GO
/****** Object:  Index [IX_Relationship6]    Script Date: 20-04-2017 21:34:41 ******/
CREATE NONCLUSTERED INDEX [IX_Relationship6] ON [dbo].[movie_link]
(
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, DROP_EXISTING = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
```

```
GO
/****** Object:  Index [IX_Relationship15]    Script Date: 20-04-2017 21:34:41 ******/
CREATE NONCLUSTERED INDEX [IX_Relationship15] ON [dbo].[movies_to_genres]
(
        [genre_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, DROP_EXISTING = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
GO
/****** Object:  Index [IX_Relationship16]    Script Date: 20-04-2017 21:34:41 ******/
CREATE NONCLUSTERED INDEX [IX_Relationship16] ON [dbo].[movies_to_genres]
(
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, DROP_EXISTING = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
GO
/****** Object:  Index [Key25]    Script Date: 20-04-2017 21:34:41 ******/
ALTER TABLE [dbo].[movie-user] ADD  CONSTRAINT [Key25] PRIMARY KEY NONCLUSTERED
(
        [mov-user_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, IGNORE_DUP_KEY = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS =
ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
GO
/****** Object:  Index [mov-user_id]    Script Date: 20-04-2017 21:34:41 ******/
ALTER TABLE [dbo].[movie-user] ADD  CONSTRAINT [mov-user_id] UNIQUE NONCLUSTERED
(
        [mov-user_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, IGNORE_DUP_KEY = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS =
ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
GO
/****** Object:  Index [IX_Relationship8]    Script Date: 20-04-2017 21:34:41 ******/
CREATE NONCLUSTERED INDEX [IX_Relationship8] ON [dbo].[movie-user]
(
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, DROP_EXISTING = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
```

```
GO
/****** Object:  Index [IX_Relationship9]    Script Date: 20-04-2017 21:34:41 ******/
CREATE NONCLUSTERED INDEX [IX_Relationship9] ON [dbo].[movie-user]
(
        [user_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, DROP_EXISTING = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
GO
/****** Object:  Index [IX_Relationship12]    Script Date: 20-04-2017 21:34:41 ******/
CREATE NONCLUSTERED INDEX [IX_Relationship12] ON [dbo].[soundtracks]
(
        [movie_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, SORT_IN_TEMPDB = OFF, DROP_EXISTING = OFF, ONLINE = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
GO
ALTER TABLE [dbo].[actors]  WITH CHECK ADD  CONSTRAINT [actor<---person] FOREIGN KEY([actor_id])
REFERENCES [dbo].[person] ([person_id])
GO
ALTER TABLE [dbo].[actors] CHECK CONSTRAINT [actor<---person]
GO
ALTER TABLE [dbo].[awards]  WITH CHECK ADD  CONSTRAINT [are appreciated by] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
ALTER TABLE [dbo].[awards] CHECK CONSTRAINT [are appreciated by]
GO
ALTER TABLE [dbo].[classification_to_movies]  WITH CHECK ADD  CONSTRAINT [are classified by] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
ALTER TABLE [dbo].[classification_to_movies] CHECK CONSTRAINT [are classified by]
GO
ALTER TABLE [dbo].[classification_to_movies]  WITH CHECK ADD  CONSTRAINT [classified] FOREIGN KEY([classification_id])
REFERENCES [dbo].[MPAA_classification] ([classification_id])
GO
ALTER TABLE [dbo].[classification_to_movies] CHECK CONSTRAINT [classified]
GO
```

```
ALTER TABLE [dbo].[countries_to_movies]  WITH CHECK ADD  CONSTRAINT [origin] FOREIGN KEY([country_id])
REFERENCES [dbo].[countries] ([country_id])
GO
ALTER TABLE [dbo].[countries_to_movies] CHECK CONSTRAINT [origin]
GO
ALTER TABLE [dbo].[countries_to_movies]  WITH CHECK ADD  CONSTRAINT [origin in] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
ALTER TABLE [dbo].[countries_to_movies] CHECK CONSTRAINT [origin in]
GO
ALTER TABLE [dbo].[directors]  WITH CHECK ADD  CONSTRAINT [director <-- person] FOREIGN KEY([director_id])
REFERENCES [dbo].[person] ([person_id])
GO
ALTER TABLE [dbo].[directors] CHECK CONSTRAINT [director <-- person]
GO
ALTER TABLE [dbo].[languages_to_movies]  WITH CHECK ADD  CONSTRAINT [are in] FOREIGN KEY([language_id])
REFERENCES [dbo].[languages] ([language_id])
GO
ALTER TABLE [dbo].[languages_to_movies] CHECK CONSTRAINT [are in]
GO
ALTER TABLE [dbo].[languages_to_movies]  WITH CHECK ADD  CONSTRAINT [are in different languages] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
ALTER TABLE [dbo].[languages_to_movies] CHECK CONSTRAINT [are in different languages]
GO
ALTER TABLE [dbo].[movie_company]  WITH CHECK ADD  CONSTRAINT [are produced by] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
ALTER TABLE [dbo].[movie_company] CHECK CONSTRAINT [are produced by]
GO
ALTER TABLE [dbo].[movie_company]  WITH CHECK ADD  CONSTRAINT [produced by] FOREIGN KEY([company_id])
REFERENCES [dbo].[company_production] ([company_id])
GO
ALTER TABLE [dbo].[movie_company] CHECK CONSTRAINT [produced by]
GO
```

```sql
ALTER TABLE [dbo].[movie_description]  WITH CHECK ADD  CONSTRAINT [are described by] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
ALTER TABLE [dbo].[movie_description] CHECK CONSTRAINT [are described by]
GO
ALTER TABLE [dbo].[movie_link]  WITH CHECK ADD  CONSTRAINT [urls] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
ALTER TABLE [dbo].[movie_link] CHECK CONSTRAINT [urls]
GO
ALTER TABLE [dbo].[movies_to_actors]  WITH CHECK ADD  CONSTRAINT [acted by] FOREIGN KEY([actor_id])
REFERENCES [dbo].[actors] ([actor_id])
GO
ALTER TABLE [dbo].[movies_to_actors] CHECK CONSTRAINT [acted by]
GO
ALTER TABLE [dbo].[movies_to_actors]  WITH CHECK ADD  CONSTRAINT [are acted by] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
ALTER TABLE [dbo].[movies_to_actors] CHECK CONSTRAINT [are acted by]
GO
ALTER TABLE [dbo].[movies_to_directors]  WITH CHECK ADD  CONSTRAINT [are directed by] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
ALTER TABLE [dbo].[movies_to_directors] CHECK CONSTRAINT [are directed by]
GO
ALTER TABLE [dbo].[movies_to_directors]  WITH CHECK ADD  CONSTRAINT [directed by] FOREIGN KEY([director_id])
REFERENCES [dbo].[directors] ([director_id])
GO
ALTER TABLE [dbo].[movies_to_directors] CHECK CONSTRAINT [directed by]
GO
ALTER TABLE [dbo].[movies_to_genres]  WITH CHECK ADD  CONSTRAINT [classified by] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
ALTER TABLE [dbo].[movies_to_genres] CHECK CONSTRAINT [classified by]
GO
```

```
ALTER TABLE [dbo].[movies_to_genres]  WITH CHECK ADD  CONSTRAINT [classified_in] FOREIGN KEY([genre_id])
REFERENCES [dbo].[genres] ([genre_id])
GO
ALTER TABLE [dbo].[movies_to_genres] CHECK CONSTRAINT [classified_in]
GO
ALTER TABLE [dbo].[Movies_to_soundmix]  WITH CHECK ADD  CONSTRAINT [are available in] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
ALTER TABLE [dbo].[Movies_to_soundmix] CHECK CONSTRAINT [are available in]
GO
ALTER TABLE [dbo].[Movies_to_soundmix]  WITH CHECK ADD  CONSTRAINT [available in] FOREIGN KEY([soundmix_id])
REFERENCES [dbo].[soundmix_technologies] ([soundmix_id])
GO
ALTER TABLE [dbo].[Movies_to_soundmix] CHECK CONSTRAINT [available in]
GO
ALTER TABLE [dbo].[movies_to_writers]  WITH CHECK ADD  CONSTRAINT [are written by] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
ALTER TABLE [dbo].[movies_to_writers] CHECK CONSTRAINT [are written by]
GO
ALTER TABLE [dbo].[movies_to_writers]  WITH CHECK ADD  CONSTRAINT [written by] FOREIGN KEY([writer_id])
REFERENCES [dbo].[writers] ([writer_id])
GO
ALTER TABLE [dbo].[movies_to_writers] CHECK CONSTRAINT [written by]
GO
ALTER TABLE [dbo].[movie-user]  WITH CHECK ADD  CONSTRAINT [review movies] FOREIGN KEY([user_id])
REFERENCES [dbo].[users] ([user_id])
GO
ALTER TABLE [dbo].[movie-user] CHECK CONSTRAINT [review movies]
GO
ALTER TABLE [dbo].[movie-user]  WITH CHECK ADD  CONSTRAINT [reviewed by] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
ALTER TABLE [dbo].[movie-user] CHECK CONSTRAINT [reviewed by]
GO
```

```
ALTER TABLE [dbo].[ratings]  WITH CHECK ADD  CONSTRAINT [gives ratings] FOREIGN KEY([mov-user_id])
REFERENCES [dbo].[movie-user] ([mov-user_id])
GO
ALTER TABLE [dbo].[ratings] CHECK CONSTRAINT [gives ratings]
GO
ALTER TABLE [dbo].[reviews]  WITH CHECK ADD  CONSTRAINT [gives reviews] FOREIGN KEY([mov-user_id])
REFERENCES [dbo].[movie-user] ([mov-user_id])
GO
ALTER TABLE [dbo].[reviews] CHECK CONSTRAINT [gives reviews]
GO
ALTER TABLE [dbo].[soundtracks]  WITH CHECK ADD  CONSTRAINT [have songs] FOREIGN KEY([movie_id])
REFERENCES [dbo].[movies] ([movie_id])
GO
ALTER TABLE [dbo].[soundtracks] CHECK CONSTRAINT [have songs]
GO
ALTER TABLE [dbo].[writers]  WITH CHECK ADD  CONSTRAINT [writer<----person] FOREIGN KEY([writer_id])
REFERENCES [dbo].[person] ([person_id])
GO
ALTER TABLE [dbo].[writers] CHECK CONSTRAINT [writer<----person]
GO
/****** Object:  StoredProcedure [dbo].[DeleteDuplicatelanguage_name]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO


--stored procedure to avoid duplicates--
CREATE PROCEDURE [dbo].[DeleteDuplicatelanguage_name]
@languages VARCHAR(30),
@language_name VARCHAR(30)
AS
BEGIN
        DECLARE @Temp NVARCHAR(500)
        SET @Temp=N'DELETE duplicates
```

```
                              FROM (SELECT ROW_NUMBER()
                              OVER (PARTITION BY ' + @languages+ ' ORDER BY ' + @language_name + ') rownumber
                              FROM ' + @languages +') duplicates
                              WHERE duplicates.rownumber > 1';

        EXEC(@Temp);
END

GO
/****** Object:  StoredProcedure [dbo].[deriveAge]    Script Date: 20-04-2017 21:34:41 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO




---procedure to create derived age column---
CREATE PROCEDURE [dbo].[deriveAge]
AS
BEGIN
        ALTER table [dbo].[person] ADD [age] AS (DATEDIFF(year,date_of_birth, getdate()))
END

GO
USE [master]
GO
ALTER DATABASE [movie_management] SET  READ_WRITE
GO
```