Database Schema

a) Database Relations:

1- Awarded Table:

DESKTOP-1UKLIK0\...ect - dbo.Awarded		
Column Name	Data Type	Allow Nulls
🔑 ID_Award	int	☐
🔑 ID_Person	int	☐
🔑 Year	int	☐

2- Awards Table:

DESKTOP-1UKLIK0\S...ject - dbo.Awards		
Column Name	Data Type	Allow Nulls
🔑 Award_ID	int	☐
Award_name	varchar(100)	☐
▶		☐

3- Directed Table:

DESKTOP-1UKLIK0\S...ect - dbo.directed		
Column Name	Data Type	Allow Nulls
🔑 Director_ID	int	☐
🔑 Movie_ID	int	☐

4- Genre Table:

DESKTOP-1UKLIK0\S...roject - dbo.genre		
Column Name	Data Type	Allow Nulls
🔑 ID_movie	int	☐
🔑 movie_type	varchar(50)	☐

5- Head Table:

Column Name	Data Type	Allow Nulls
🔑 ID_comany	int	☐
🔑 city	nchar(100)	☐

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6- Movie_Stars:

Column Name	Data Type	Allow Nulls
🔑 Star_ID	int	☐
🔑 Movie_ID	int	☐
famousquote	varchar(MAX)	☑

DESKTOP-1UKLIK0\S...- dbo.Movie_Stars

7- Movies Table:

Column Name	Data Type	Allow Nulls
🔑 Movie_ID	int	☐
Title	varchar(50)	☐
Release_Date	date	☑
Duration	int	☑
Language	varchar(50)	☑
Dist_by	varchar(50)	☑
Budget	int	☑
Box_office	int	☑
Country	varchar(50)	☑
img_file	varchar(MAX)	☑
Plot	varchar(MAX)	☑
composer	varchar(100)	☑

DESKTOP-1UKLIK0\S...ject - dbo.Movies

8- People Table:

Column Name	Data Type	Allow Nulls
🔑 Person_ID	int	☐
DOB	date	☑
First_name	varchar(50)	☐
M_init	varchar(50)	☐
Last_name	varchar(50)	☐
Net_worth	int	☑
career_start	date	☑
nationality	varchar(50)	☑
image_file	varchar(MAX)	☑

DESKTOP-1UKLIK0\S...ject - dbo.People

9- Prod.comp Table:

Column Name	Data Type	Allow Nulls
🔑 Com_ID	int	☐
Name	varchar(100)	☐
Founded_In	date	☑

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10- ProdBy Table:

Column Name	Data Type	Allow Nulls
🔑 ID_movie	int	☐
🔑 id_production	int	☐

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11- Ratings Table:

	Column Name	Data Type	Allow Nulls
🔑	ID_movie	int	☐
🔑	User_ID	int	☐
	rate	int	☐

DESKTOP-1UKLIK0\S...ject - dbo.ratings

12- Users Table:

	Column Name	Data Type	Allow Nulls
🔑	User_ID	int	☐
	Person_ID	int	☐
	username	varchar(50)	☐
	password	varchar(50)	☐
	user_type	int	☐

DESKTOP-1UKLIK0\S...roject - dbo.Users

b) Referenced Relations:

HeadQuarters are Multi_valued

HeadQuarters
PK,FK1	ID_Company
PK	City

Genre is a Multi-value attribute

Genre
PK,FK1	ID_movie
PK	Movie_type

Movies
PK	Movie_ID
	Title
	Release_Date
	Duration
	Language
	Plot
	Distributed_by
	Budget
	Box_office
	Country
	Image_File

Produced is a N:M multiple production companies

Produced_by
PK,FK1	ID_movie
PK,FK2	ProductionCO_ID

Production_CO
PK	Company_ID
	Name
	Founded_in
	Image_file

1:1 relation so foreign okay to be primary

Ratings
PK FK	ID_Movie
PK,FK	ID_USER
	Rate

Person
PK	Person_ID
	DOB
	First_name
	M_init
	Last_name
	Net_worth
	Carrer_start
	Nationality
	Image_File

Movie_star
PK,FK1	Star_ID
PK,FK2	Movie_ID
	FamousQuote

Director
PK,FK1	Director_ID
PK,FK2	Movie_ID

Users
PK	User_ID
Unique	Username
	Password
	User_Type
FK1	ID_user

Awards
PK	Award_ID
	Award_Name

Composer
PK,FK1	Composer_ID
PK,FK2	Movie_ID
	Music_Name

Table
PK,FK1	ID_Award
PK,FK2	ID_Person
PK	Year

Assume

Here it is assumed that all the relations are N:M that is a director can direct many movies and a movie could be directed by many directors

the Awarded relation ship have the id of the award and the person that got the award and in what year
the primary key is the three of them as some awards are shared between two stars so the year and Id will repeat so person ID is added