

Example & Practice: IMDB Data (Simplified)

- The database stores information about actors, movies and directors.
- Each actor has a unique actor id, a first name and a last name.
- Each movie has a unique movie id, a movie title, and a release year.
- Each director has a unique director id, a first name and a last name.
- Each actor plays a single role in a movie.
- Each actor can act in multiple movies.
- Each movie is played by multiple actors.
- Each director can direct multiple movies.
- Each movie is directed by only one director.

Example & Practice: IMDB Data (Simplified)

- Use one relation to represent and store data about all actors, movies and directors.
- All columns in this relation
 - ActorID
 - ActorFirstName
 - ActorLastName
 - MovieID
 - MovieTitle
 - ReleaseYear
 - Role
 - DirectorID
 - DirectorFirstName
 - DirectorLastName

Example & Practice: relation MOVIEDBMIX

Sample Data:

<u>ActorID</u>	Actor FirstName	Actor LastName	<u>MovieID</u>	MovieTitle	Release Year	Role	DirectorID	Director FirstName	Director LastName
A1	Alfredo	Pacino	M1	The God Father	1972	Michael Corleone	D1	Francis	Coppola
A1	Alfredo	Pacino	M2	The God Father Part 2	1974	Michael Corleone	D1	Francis	Coppola
A2	Marlon	Brando	M1	The God Father	1972	Don Corleone	D1	Francis	Coppola
A3	Dianne	Keaton	M1	The God Father	1972	Kay Adams	D1	Francis	Coppola
A3	Dianne	Keaton	M2	The God Father Part 2	1974	Kay Adams	D1	Francis	Coppola