

IMDB Design a DB for IMDB

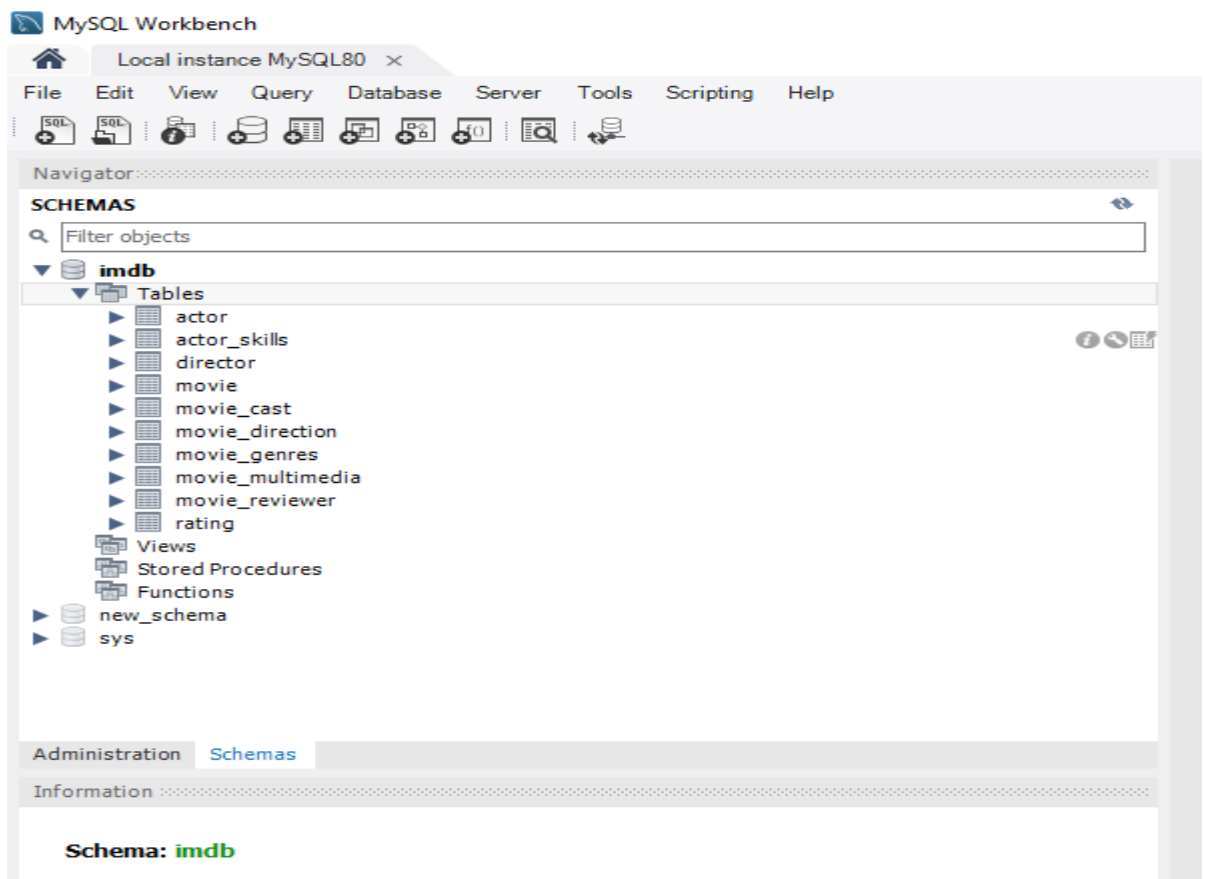
1. Movie should have multiple media(Video or Image)
2. Movie can belongs to multiple Genre
3. Movie can have multiple reviews and Review can belongs to a user
4. Artist can have multiple skills
5. Artist can perform multiple role in a single film

Database: `imdb`

create database imdb;

List of tables in the IMDB database:

- actor_skills
- actor
- director
- movie
- movie_multimedia
- movie_genres
- movie_direction
- movie_reviewer
- rating
- Movie_cast



- actor

MySQL Workbench interface showing the 'actor' table in the 'indb' database. The query 'SELECT * FROM indb.actor;' is executed, displaying a result grid with 13 rows of actor data.

actor_id	fullname	picture	gender
1	Shah Rukh Khan	slr.png	m
2	Akshay Kumar	ak.png	m
3	kamal hasan	kh.png	m
4	rajinikanth	r.png	m
5	maheeshbabu	mb.png	m
6	vijay	vijay.png	m
7	surya	surya.png	m
8	Priyanka Chopra Jonas	pcj.png	f
9	Deepika Padukone	dp.png	f
10	nayantara	nayan.png	f
11	trisha	tr.png	f
12	Katrina Kaif	kk.png	f
13	prabhas	p.png	m

- actor_skills

MySQL Workbench interface showing the 'actor_skills' table in the 'indb' database. The query 'SELECT * FROM indb.actor_skills;' is executed, displaying a result grid with 6 rows of actor skill data.

actor_skill	actor_id	actor_skill
1	3	writer
2	3	singer
3	3	dance
4	8	dancer
5	8	martial arts
6	4	producer

- director

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

director x

Limit to 1000 rows

1. `SELECT * FROM imdb.director;`

Result Grid

dir_id	fullname	gender
1	Rajkumar Hirani	m
2	shankar	m
3	rajamouli	m
4	karanjohar	m
5	zoya akhtar	f
6	Gauri Shinde	f
7	Mira Nair	f
8	Tanuja Chandra	f

Table: director

Columns:

- dir_id int PK
- fullname varchar(45)
- gender varchar(45)

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

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- Movie

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

director x

Limit to 1000 rows

1. `SELECT * FROM imdb.movie;`

Result Grid

movie_id	movie_title	year	movie_length	language	country
1	bahubal-1	2015	2hr 39min	telugu	india
2	mulan	2020	1hr 55min	chinese	china
3	tenet	2020	2hr 30min	english	UK
4	RRR	2022	3hr 2min	telugu	India
5	PS-1	2022	2hr 50min	tamil	India
6	3-idiots	2009	2hr 39min	hindi	India
7	kaithi	2019	1hr 55min	tamil	India
8	valimai	2022	2hr 50min	tamil	India
9	vikram	2022	2hr 40min	tamil	India
10	vikram veda	2022	2hr 39min	tamil	India
11	master	2021	2hr 39min	tamil	India
12	sivaji	2007	2hr 39min	tamil	India

Table: director

Columns:

- dir_id int PK
- fullname varchar(45)
- gender varchar(45)

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- movie_cast

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'imdb' expanded, showing various tables including 'movie_cast'. The main window shows a query: `SELECT * FROM imdb.movie_cast;` with a limit of 1000 rows. The 'Result Grid' displays the following data:

cast_id	Movie_id	actor_id	roleName
1	1	13	Shivudu
2	1	13	Baahubali
3	12	4	sivaji
4	12	4	mgr
5	9	3	vijay
NULL	NULL	NULL	NULL

The 'Information' tab at the bottom shows the table structure for 'movie_cast':

- Columns:
 - cast_id: int PK
 - Movie_id: int
 - actor_id: int
 - roleName: varchar(75)

- Movie_direction

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'imdb' expanded, showing various tables including 'movie_direction'. The main window shows a query: `SELECT * FROM imdb.movie_direction;` with a limit of 1000 rows. The 'Result Grid' displays the following data:

movie_id	dir_id
1	3
12	2
NULL	NULL

The 'Information' tab at the bottom shows the table structure for 'movie_direction':

- Columns:
 - movie_id: int PK
 - dir_id: int

- movie_genres

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'imdb' expanded, showing tables like 'actor', 'director', 'movie', 'movie_genres', etc. The main editor shows a query: `SELECT * FROM imdb.movie_genres;`. The 'Result Grid' displays the following data:

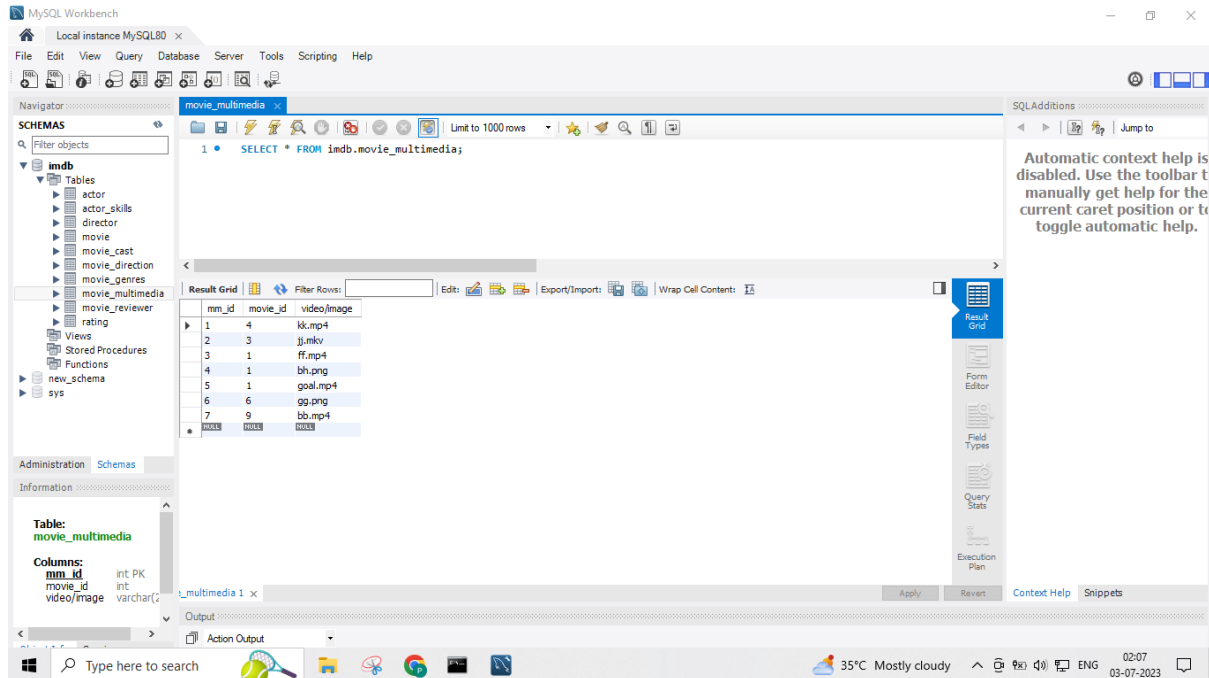
gen_id	movie_id	movie_genres
1	1	historical fiction
2	1	drama
3	3	science fiction
4	6	comedy
5	6	romance
6	7	action thriller
NULL	NULL	NULL

The bottom panel shows the 'Table: movie_genres' structure with columns: `gen_id` (int PK), `movie_id` (int), and `movie_genres` (varchar). The status bar at the bottom indicates '35°C Mostly cloudy' and the date '02:07 03-07-2023'.

- movie_reviewer

This screenshot is identical to the one above, showing the MySQL Workbench interface with the same query and result grid for the 'movie_genres' table. The table structure and data are consistent with the previous image.

- movie_multimedia



- rating

