

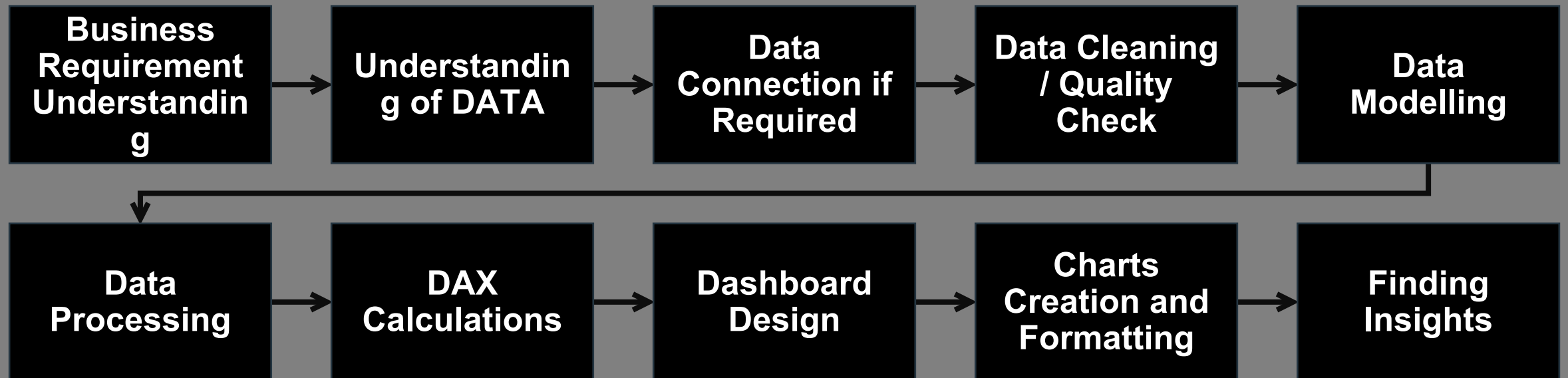


MOVIES DATA ANALYSIS

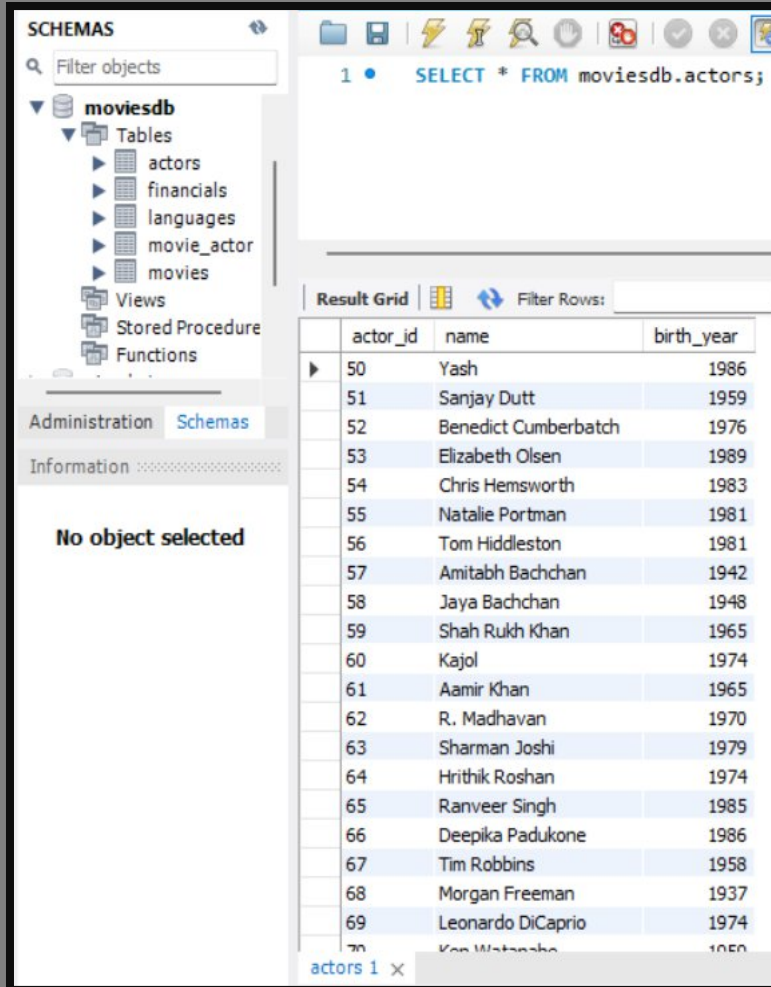
Presented by

P Krishna Chetana Priyanka

PROJECT STEPS



SQL DATABASE



SCHEMAS

Filter objects

moviesdb

- Tables
 - actors
 - financials
 - languages
 - movie_actor
 - movies
- Views
- Stored Procedure
- Functions

Administration Schemas

Information

No object selected

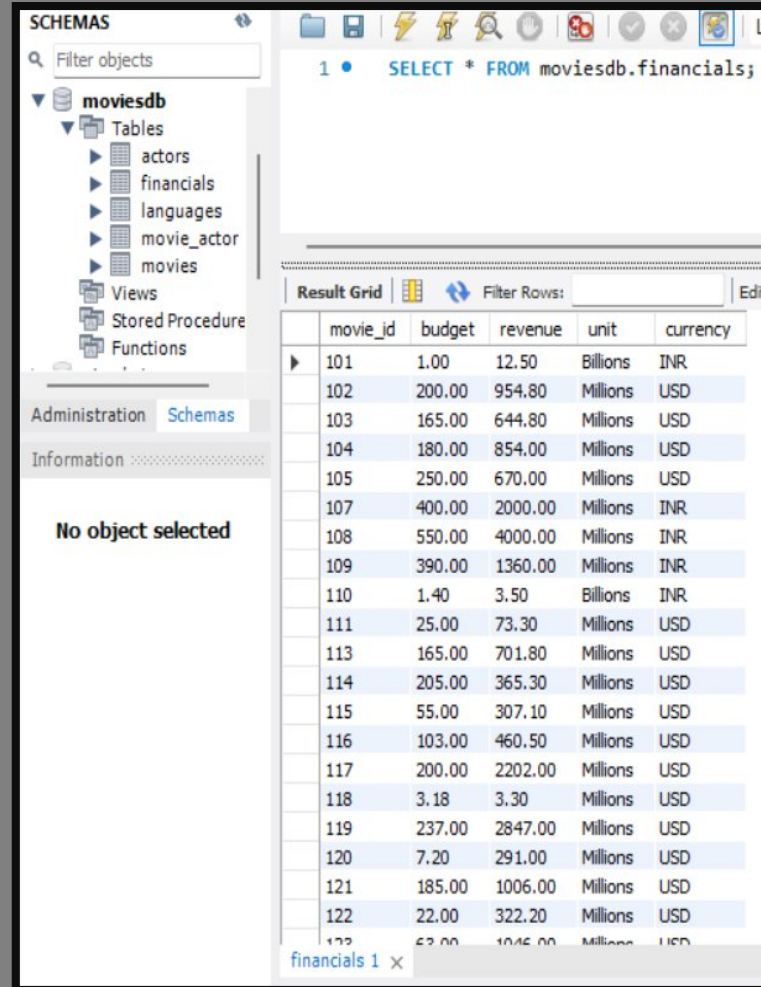
1 • SELECT * FROM moviesdb.actors;

Result Grid

	actor_id	name	birth_year
▶	50	Yash	1986
	51	Sanjay Dutt	1959
	52	Benedict Cumberbatch	1976
	53	Elizabeth Olsen	1989
	54	Chris Hemsworth	1983
	55	Natalie Portman	1981
	56	Tom Hiddleston	1981
	57	Amitabh Bachchan	1942
	58	Jaya Bachchan	1948
	59	Shah Rukh Khan	1965
	60	Kajol	1974
	61	Aamir Khan	1965
	62	R. Madhavan	1970
	63	Sharman Joshi	1979
	64	Hrithik Roshan	1974
	65	Ranveer Singh	1985
	66	Deepika Padukone	1986
	67	Tim Robbins	1958
	68	Morgan Freeman	1937
	69	Leonardo DiCaprio	1974
	70	Kar Watanabe	1959

actors 1 x

Table: Actors



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Information

No object selected

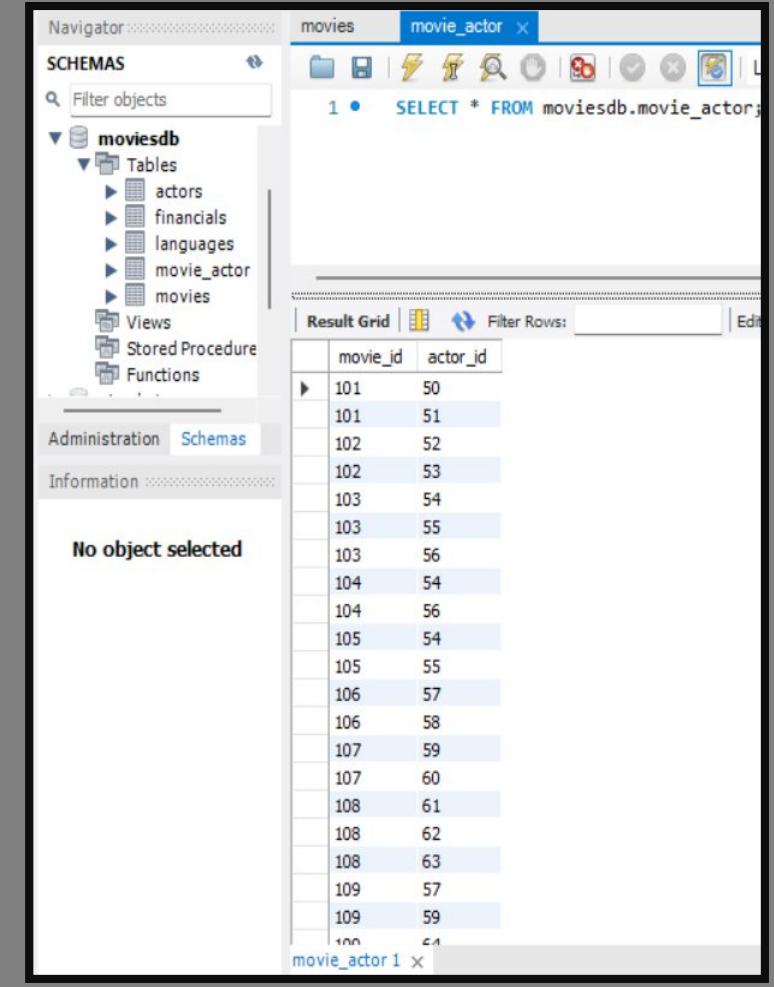
1 • SELECT * FROM moviesdb.financials;

Result Grid

	movie_id	budget	revenue	unit	currency
▶	101	1.00	12.50	Billions	INR
	102	200.00	954.80	Millions	USD
	103	165.00	644.80	Millions	USD
	104	180.00	854.00	Millions	USD
	105	250.00	670.00	Millions	USD
	107	400.00	2000.00	Millions	INR
	108	550.00	4000.00	Millions	INR
	109	390.00	1360.00	Millions	INR
	110	1.40	3.50	Billions	INR
	111	25.00	73.30	Millions	USD
	113	165.00	701.80	Millions	USD
	114	205.00	365.30	Millions	USD
	115	55.00	307.10	Millions	USD
	116	103.00	460.50	Millions	USD
	117	200.00	2202.00	Millions	USD
	118	3.18	3.30	Millions	USD
	119	237.00	2847.00	Millions	USD
	120	7.20	291.00	Millions	USD
	121	185.00	1006.00	Millions	USD
	122	22.00	322.20	Millions	USD
	123	63.00	1046.00	Millions	USD

financials 1 x

Table: Financials



Navigator

movies movie_actor x

SCHEMAS

Filter objects

moviesdb

- Tables
 - actors
 - financials
 - languages
 - movie_actor
 - movies
- Views
- Stored Procedure
- Functions

Administration Schemas

Information

No object selected

1 • SELECT * FROM moviesdb.movie_actor;

Result Grid

	movie_id	actor_id
▶	101	50
	101	51
	102	52
	102	53
	103	54
	103	55
	103	56
	104	54
	104	56
	105	54
	105	55
	106	57
	106	58
	107	59
	107	60
	108	61
	108	62
	108	63
	109	57
	109	59
	100	64

movie_actor 1 x

Table: Movie Actor

Navigator

movies

Limit to 50000 rows

1 • SELECT * FROM moviesdb.movies;

Result Grid

	movie_id	title	industry	release_year	imdb_rating	studio	language_id
▶	101	K.G.F: Chapter 2	Bollywood	2022	8.4	Hombale Films	3
	102	Doctor Strange in the Multiverse of Madness	Hollywood	2022	7.0	Marvel Studios	5
	103	Thor: The Dark World	Hollywood	2013	6.8	Marvel Studios	5
	104	Thor: Ragnarok	Hollywood	2017	7.9	Marvel Studios	5
	105	Thor: Love and Thunder	Hollywood	2022	6.8	Marvel Studios	5
	106	Sholay	Bollywood	1975	8.1	United Producers	1
	107	Dilwale Dulhania Le Jayenge	Bollywood	1995	8.0	Yash Raj Films	1
	108	3 Idiots	Bollywood	2009	8.4	Vinod Chopra Films	1
	109	Kabhi Khushi Kabhie Gham	Bollywood	2001	7.4	Dharma Productions	1
	110	Bajirao Mastani	Bollywood	2015	7.2		1
	111	The Shawshank Redemption	Hollywood	1994	9.3	Castle Rock Entert...	5
	112	Inception	Hollywood	2010	8.8	Warner Bros. Pictures	5
	113	Interstellar	Hollywood	2014	8.6	Warner Bros. Pictures	5
	115	The Pursuit of Happyness	Hollywood	2006	8.0	Columbia Pictures	5
	116	Gladiator	Hollywood	2000	8.5	Universal Pictures	5
	117	Titanic	Hollywood	1997	7.9	Paramount Pictures	5
	118	It's a Wonderful Life	Hollywood	1946	8.6	Liberty Films	5
	119	Avatar	Hollywood	2009	7.8	20th Century Fox	5
	120	The Godfather	Hollywood	1972	9.2	Paramount Pictures	5
	121	The Dark Knight	Hollywood	2008	9.0	Syncopy	5
	122	Schindler's List	Hollywood	1993	9.0	Universal Pictures	5

movies 1 x

Table: Movies

Navigator

languages

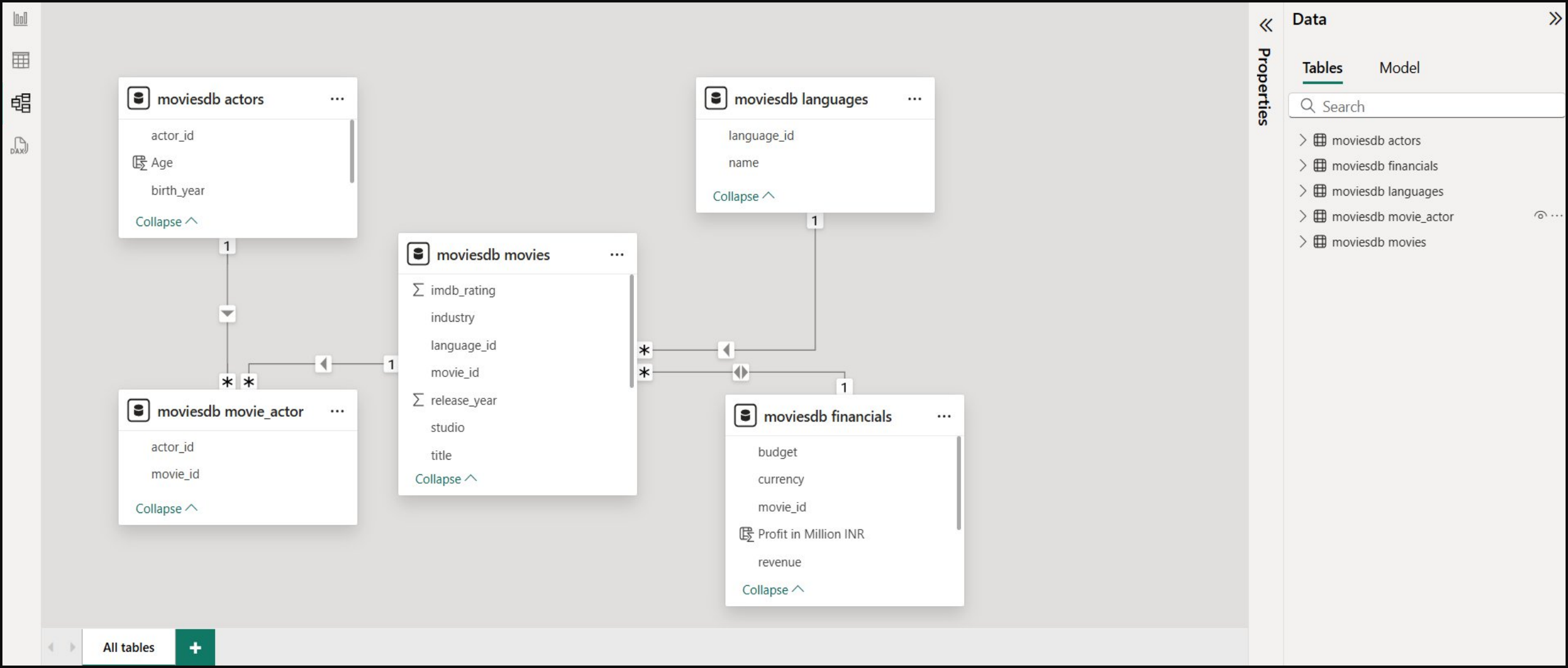
1 • SELECT * FROM moviesdb.languages;

Result Grid

	language_id	name
▶	7	Bengali
	5	English
	6	French
	8	Gujarati
	1	Hindi
	3	Kannada
	4	Tamil
	2	Telugu

Table: Languages

DATA MODELLING



KPI'S



Total Movies: The total number of movies analyzed in the dataset



Total Industry: The number of different film industries included in the analysis.



Total Studios: The total number of movie studios represented in the data.



Average IMDb Rating: The average IMDb score of all movies in the dataset.



Total Revenue: The total revenue generated from all movies.

DAX FORMULAS

```
1 Total Movies = COUNTROWS('moviesdb movies')
```

```
1 Total Industry = DISTINCTCOUNT('moviesdb movies'[industry])
```

```
1 Total Studios = DISTINCTCOUNT('moviesdb movies'[studio])
```

```
1 Avg imdb rating = AVERAGE('moviesdb movies'[imdb_rating])
```

```
1 Total Revenue = SUM('moviesdb financials'[Profit in Million INR])
```

```
1 Age = YEAR(TODAY()) - 'moviesdb actors'[birth_year]
```

```
1 Profit in Million INR =  
2 VAR profit =  
3     SWITCH(  
4         TRUE(),  
5         'moviesdb financials'[unit] = "thousands",  
6         ROUND(('moviesdb financials'[revenue] - 'moviesdb financials'[budget]) /  
7             1000, 1),  
8         'moviesdb financials'[unit] = "billions",  
9         ROUND(('moviesdb financials'[revenue] - 'moviesdb financials'[budget]) *  
10            1000, 1),  
11        ROUND('moviesdb financials'[revenue] - 'moviesdb financials'[budget], 1)  
12    )  
13 RETURN  
14 SWITCH(  
15     'moviesdb financials'[currency],  
16     "USD", ROUND(profit * 83, 1),  
17     profit  
18 )
```

CHARTS



Total Movies by Language – Bar Chart



Total Movies by Currency – Column Chart



Total Movies by Studio – Column Chart



Total Movies by Industry – Pie Chart



Actor Details (Name, Birth Year, Age) - Table



Top Movies and Profit – Table



Filter Panel - Slicers

Movies Data Analysis



Filter Panel

Industry

All

Studio

All

Release Year

All

Total Movies

39

Total Industry

2

Total Studios

22

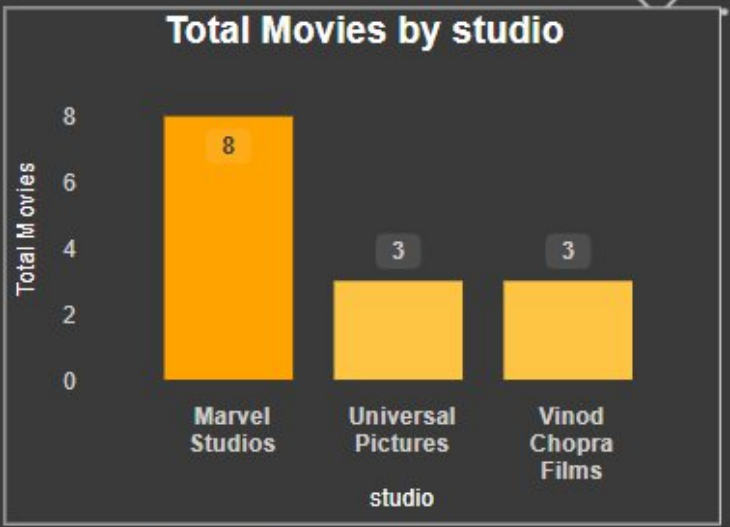
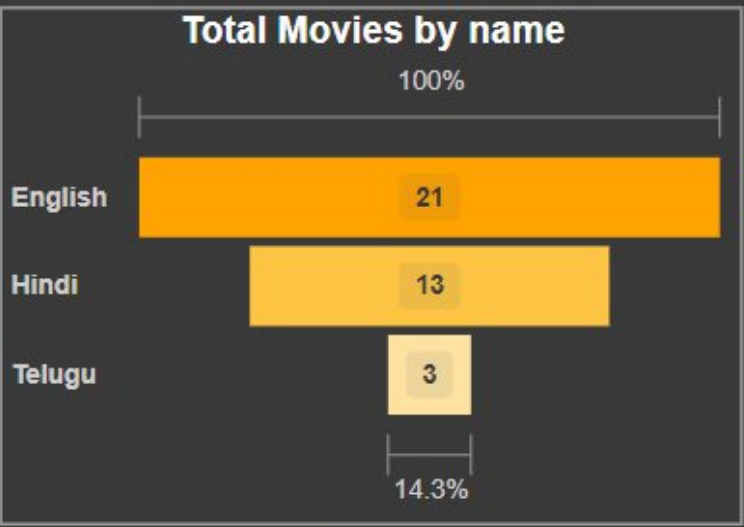
Avg imdb rating

7.95

Total Revenue

1.42M

name	birth_year	Age
Aamir Khan	1965	60
Al Pacino	1940	85
Allu Arjun	1982	43
Amitabh Bachchan	1942	83
Anil Kapoor	1956	69
Anne Hathaway	1982	43
Anupam Kher	1955	70
Anushka Sharma	1988	37
Ben Kingsley	1943	82
Benedict Cumberbatch	1976	49
Chris Evans	1981	44
Chris Hemsworth	1983	42



title	Profit in Million INR
Titanic	1,66,166.00
Thor: The Dark World	39,823.40
Thor: Ragnarok	55,942.00
Thor: Love and Thunder	34,860.00
The Shawshank Redemption	4,008.90
The Pursuit of Happyness	20,924.30
The Kashmir Files	3,159.00
The Godfather	23,555.40
The Dark Knight	68,143.00
Taare Zameen Par	1,230.00
Sholay	
Shershaah	450.00

