# **IMDB**

#### Abstract:

The Internet Movie Database (IMDb) is an online database containing information and statistics about movies, TV shows and video games as well as actors, directors and other film industry professionals.

### Objective:

Help users to find interesting movies easier

- ·Allow the user to search movies by typing in the key word of the movie
- ·Allow the user to search movies by typing in the name of director
- ·Allow the user to search movies by typing in the name of an actor.
- ·Allow the user to search movies by typing in the movie's name

Help inform the user about popular movies

·Show the rating for each movie.

### STRUCTURE OF TABLES

### **ACTORS:**

This table contains the name of actor's.

mysql> desc	actors;				·
Field	Туре	Null	Key	Default	Extra
: :	varchar(200)	NO YES YES		NULL	

### DIRECTORS:

This table contains the name of directors.

mysql> desc	directors;	<b>.</b>		<b>.</b>	
Field	Туре	Null	Key	Default	Extra
   id   name   movie_id +	varchar(200)	NO YES YES		NULL	

### MOVIES:

This table contains details about the movie name, which year it was released and the rating that the movie got.

mysql> des	sc movies;	<b>.</b>	<b>.</b>		
Field	Туре	Null	Key	Default	Extra
name	varchar(200) int		į		auto_increment               

# GENRES:

This table contains details about the genres of movie.

mysql> desc ge	nres;	·			·
Field	Туре	Null	Key	Default	Extra
   movie_id   Movie_genre +	   int   varchar(200)	NO YES		NULL NULL	

# **CONTENTS OF TABLES**

### **ACTORS**:

mysql	> select* from actors	5; 
id	name +	movie_id
1	Tim Robbins	1 1
2	Morgan Freeman	1 1
3	Al Pacino	2
4	Heath Ledger	3
3	Al Pacino	4
5	Lee J. Cobb	5
6	Liam Neeson	6
7	Elijah Wood	7
8	John Travolta	8
7	Elijah Wood	9
9	Clint Eastwood	10
10	Tom Hanks	11
11	Brad Pitt	12
7	Elijah Wood	13
12	Leonardo DiCaprio	14
16	Mark Hamill	15
14	Keanu Reeves	16
15	Robert De Niro	17
16	Jack Nicholson	18
11	Brad Pitt	19
17	Toshirô Mifune	20
+	+	++

### **DIRECTORS:**

my +-	/sql	> select* from directors	;; 
İ	id	name   	movie_id
Ì	1	Frank Darabont	1
ĺ	2	Francis Ford Coppola	2
1	3	Christopher Nolan	3
1	2	Francis Ford Coppola	4
ı	4	Sidney Lumet	5
ı	5	Steven Spielberg	6
ı	6	Peter Jackson	7
ı	7	Quentin Tarantino	8
ı	6	Peter Jackson	9
ı	8	Sergio Leone	10
ı	9	Robert Zemeckis	11
	10	David Fincher	12
ı	6	Peter Jackson	13
ı	3	! !	14
ı	11	Irvin Kershner	15
ı	12	Lana Wachowski	16
ı	13	Martin Scorsese	17
	14	Milos Forman	18
	10	David Fincher	19
	15	Akira Kurosawa	20
+-		<del>+</del> +	+

# MOVIES:

mysql>	• select* from movies;	<b></b>	<b>-</b>
id	name	year	rating
1 1	The Shawshank Redemption	1994	9.2
2	The Godfather	1972	9.2
3	The Dark Knight	2008	9
4	The Godfather Part II	1974	9
5	12 Angry Men	1957	9
6	Schindler's List	1993	8.9
7	The Lord of the Rings: The Return of the King	2003	8.9
8	Pulp Fiction	1994	8.8
9	The Lord of the Rings: The Fellowship of the Ring	2001	8.8
10	The Good, the Bad and the Ugly	1966	8.8
11	Forrest Gump	1994	8.8
12	Fight Club	1999	8.7
13	The Lord of the Rings: The Two Towers	2002	8.7
14	Inception	2010	8.7
15	Star Wars: Episode V - The Empire Strikes Back	1980	8.7
16	The Matrix	1999	8.7
17	Goodfellas	1990	8.7
18	One Flew Over the Cuckoo's Nest	1975	8.6
19	Se7en	1995	8.6
20	Seven Samurai	1954	8.6
+		+	+ <b>+</b>

# GENRES:

mysql> sele	ct	* from genres;
+	+-	
movie_id	Ļ	Movie_genre
+	+-	+
1	:	Drama
2		Drama
3		Drama
		Action
4	•	Drama
5		Crime
6		History
7	•	Adventure
8		Crime
9		Adventure
10		Adventure
11		Romance
12		Drama
13		Adventure
14		Sci-Fic
15		Action
16		Sci-Fic
17		Crime
18	Ī	Drama
19	İ	Crime
20	Ī	Action
+	+-	+

### **SUBQUERIES**

1.List out all actors in the movie name "The Shawshank Redemption".

2. Show movies whose rating is same as the maximum rating.

3. Find the name of actors whose movie got released in year 1999.

### **JOINS**

1. For each movie, print name and the genres of the movie.

mysql> select name,Movie_genre from movies join genr	es on movies.i
пате	Movie_genre
The Shawshank Redemption	Drama
The Godfather	Drama
The Dark Knight	Drama
The Dark Knight	Action
The Godfather Part II	Drama
12 Angry Men	Crime
Schindler's List	History
The Lord of the Rings: The Return of the King	Adventure
Pulp Fiction	Crime
The Lord of the Rings: The Fellowship of the Ring	Adventure
The Good, the Bad and the Ugly	Adventure
Forrest Gump	Romance
Fight Club	Drama
The Lord of the Rings: The Two Towers	Adventure
Inception	Sci-Fic
Star Wars: Episode V - The Empire Strikes Back	Action
The Matrix	Sci-Fic
Goodfellas	Crime
One Flew Over the Cuckoo's Nest	Drama
Se7en	Crime
Seven Samurai	Action

2. Which director made the most movies?

3. Using self-join find the name of movies which is rated 9?

### **BASIC QUERIES**

1. Find the name and year of some movies released between 2000 to 2012. Return movie title, movie release year.

```
mysql> select name,year from movies where year between 1900 and 2010 order by year;
name
                                                      year
 Seven Samurai
                                                      1954
 12 Angry Men
                                                      1957
 The Good, the Bad and the Ugly
                                                      1966
 The Godfather
                                                      1972
 The Godfather Part II
                                                      1974
                                                      1975
 One Flew Over the Cuckoo's Nest
 Star Wars: Episode V - The Empire Strikes Back
                                                      1980
                                                      1990
Goodfellas
                                                      1993
 Schindler's List
                                                      1994
 The Shawshank Redemption
                                                      1994
 Pulp Fiction
                                                      1994
 Forrest Gump
                                                      1995
 Se7en
 Fight Club
                                                      1999
 The Matrix
                                                      1999
 The Lord of the Rings: The Fellowship of the Ring
                                                      2001
 The Lord of the Rings: The Two Towers
                                                      2002
 The Lord of the Rings: The Return of the King
                                                      2003
 The Dark Knight
                                                      2008
 Inception
                                                      2010
```

2. Find name of actors whose name 1st letter starts with 'B'.