

# Base de Datos Avanzada

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# Problemática

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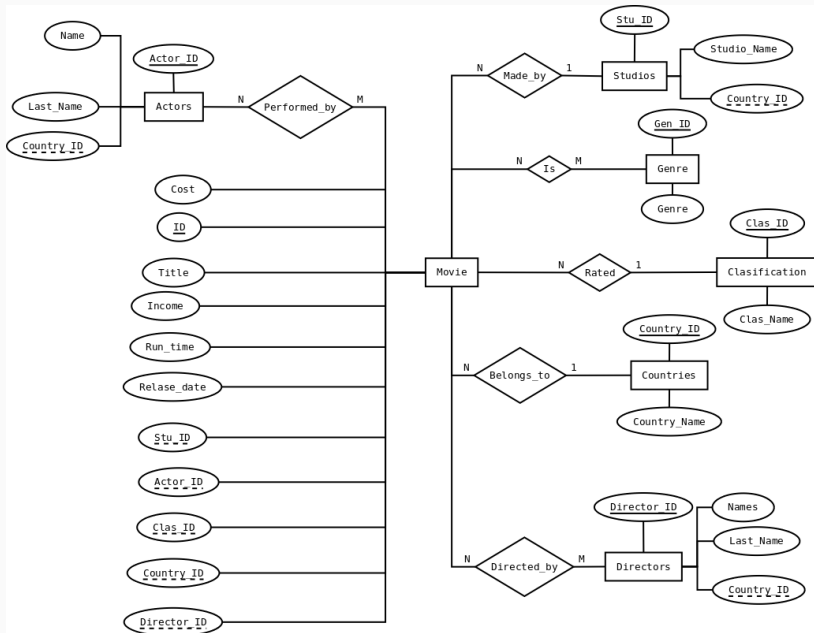
Colección de películas con :

- Entradas repetidas sin control.
- Pocas a nulas referencias para intercambio.
  - a) Estudio.
  - b) Director.
- Información de parametros.
  - a) Duración.
  - b) Budget vs Revenue.

## **Diseño de la base de datos.**

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# Diagrama Entidad-Relación



# Implementación

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# Implementación

```
CREATE TABLE  
COUNTRY (ID INTEGER  
NOT NULL GENERATED  
ALWAYS AS IDENTITY  
(START WITH 1  
INCREMENT BY 1),  
NAME VARCHAR(30)  
UNIQUE NOT NULL,  
PRIMARY KEY(ID) );
```

Crea la tabla de países con el campo ID como llave primaria y generada automáticamente

## db2 LIST TABLES FOR SCHEMA MOVIEINDEX

Table/View	Schema	Type	Creation time
ACTOR	MOVIEINDEX	T	2018-08-08-14.44.32.714018
CLASIFICATION	MOVIEINDEX	T	2018-08-08-14.44.32.933873
COUNTRY	MOVIEINDEX	T	2018-08-08-14.44.32.083194
DIRECTOR	MOVIEINDEX	T	2018-08-08-14.44.32.505958
GENDERS	MOVIEINDEX	T	2018-08-08-14.44.32.312163
MOVIE	MOVIEINDEX	T	2018-08-08-15.15.57.504164
STUDIO	MOVIEINDEX	T	2018-08-08-15.15.57.273201

7 record(s) selected.



db2 DESCRIBE TABLE MOVIEINDEX.MOVIE

Column name	Data type schema	Data type name	Column Length	Scale	Nulls
ID	SYSIBM	INTEGER	4	0	No
NAME	SYSIBM	VARCHAR	50	0	No
DURATION	SYSIBM	INTEGER	4	0	No
COST	SYSIBM	DOUBLE	8	0	No
INCOME	SYSIBM	DOUBLE	8	0	No
RELEASE_DATE	SYSIBM	DATE	4	0	No
CLASIFICATIONID	SYSIBM	INTEGER	4	0	No
COUNTRYID	SYSIBM	INTEGER	4	0	No
STUDIOID	SYSIBM	INTEGER	4	0	No
DIRECTORID	SYSIBM	INTEGER	4	0	No
10 record(s) selected.					

# Tablas

ID	NAME
1	France
2	Mexico
3	Germany
4	China
5	Cuba
6	Rusia
7	Sweden
8	Canada
9	England
10	Poland
11	Spain
12	Australia
13	New Zealand
14	Japan
15	USA
16	Hungary
17	Austria

17 record(s) selected.

(a) Country Table

ID	NAME	NATIONALITYID
1	Universal	15
2	FOX	15
3	Tequila	2
4	Vodka Studio	6
5	Sorry Studio	8
6	Klavis Studio	13
7	Copys	4
8	Disney	15
9	Pixar	15
10	Dream Works	15

10 record(s) selected.

(b) Studio Table

ID	NAME	LASTNAME	NATIONALITYID
1	Steven	Spielberg	15
2	Tod	Browning	15
3	Ishirou	Honda	14
4	Michael	Curtiz	16
5	Robert	Wise	15
6	Ridley	Scott	15
7	Michael	Haneke	17
8	Akira	Kurosawa	14
9	George	A. Romero	15
10	Robert	Wiene	10

10 record(s) selected.

(c) Director Table

**Figura 1:** Tablas en la MOVIESDB parte 1

# Tablas

ID	NAME
1	Adventure
2	Terror
3	Drama
4	Action
5	Comedy
6	Science fiction
7	Romance
8	Animation
9	Suspense
10	Art
11	Documentary

11 record(s) selected.

(a) Gender Table

ID	NAME	LASTNAME	NATIONALITY
1	Sam	Neill	15
2	Laura	Dern	15
3	Jeff	Goldblum	15
4	Bela	Lugosi	16
5	Dwight	Frye	15
6	Haruo	Nakajima	14
7	Akira	Takarada	14
8	Humphrey	Bogart	15
9	Ingrid	Bergman	7
10	Michael	Rennet	9
11	Sigourney	Weaver	15
12	Isabelle	Huppert	1
13	Toshiro	Mifune	14
14	Machiko	Kyou	14
15	Masayuki	Mori	14
16	Duane	Jones	15
17	Judith	Odeh	15
18	Werner	Krauss	3
19	Conrad	Veidt	3

19 record(s) selected.

(b) Actor Table

ID	SHORT_NAME	NAME
1	G	General Audiences
2	PG	Parental Guidance Suggested
3	PG-13	Parents Strongly Cautioned
4	R	Restricted
5	NC-17	Adults Only

5 record(s) selected.

(c) Clasification  
Table

**Figura 2:** Tablas en la MOVIESDB parte 2