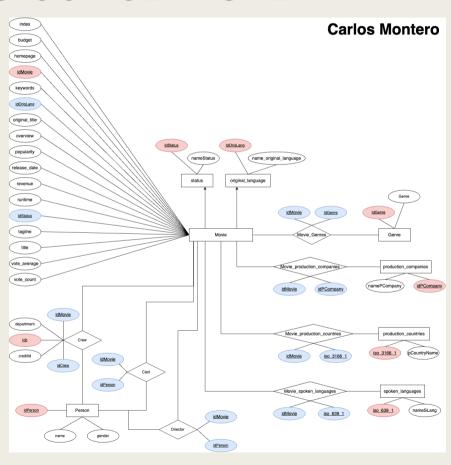
PROYECTO FINAL

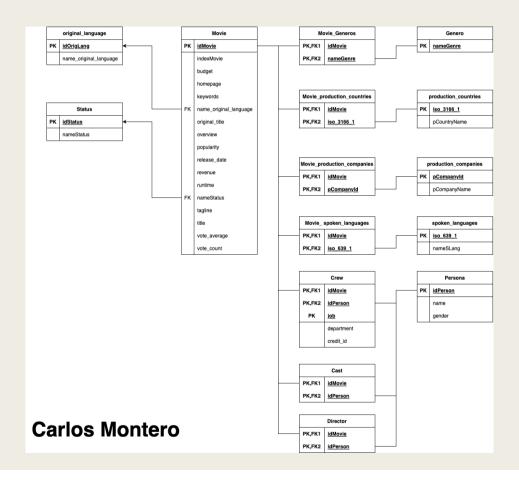
Fundamentos de Bases de Datos Carlos Iván Montero Torres

MODELOS

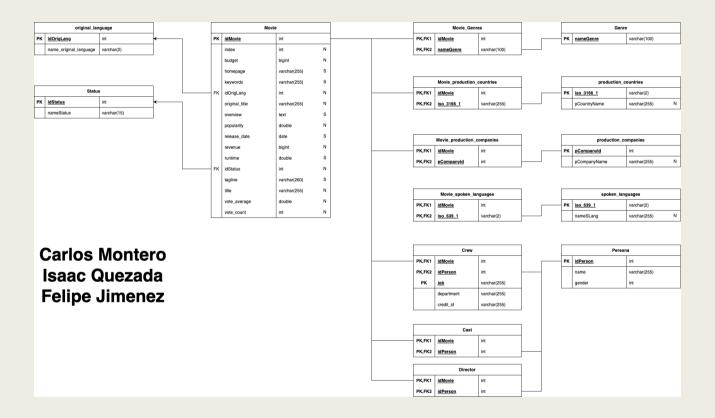
MODELO CONCEPTUAL



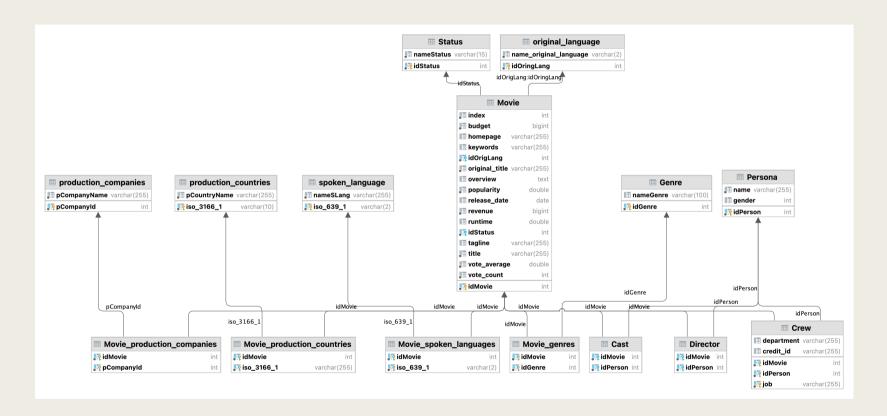
MODELO LOGICO



MODELO FISICO



MODELO FISICO



LIMPIEZA "CREW"

```
SELECT id,

JSON_VALID(CONVERT (

REPLACE(REPLACE(REPLACE(REPLACE(REPLACE(crew,
''', '\''),
'\'', '\"', "''),
'\'', \'', '"', "'),
'\'', \'', '"',
'\'', \'', "')

USING UTF8mb4 )) AS Valid_YN,

CONVERT (

REPLACE(REPLACE(REPLACE(REPLACE(REPLACE(Crew,
'"', '\''),
'\'', \'', ""'),
'\'', \'', ""'),
'\'', \'', ""'),
'\'', \'', ""'),
'\'', \'', ""')

USING UTF8mb4 ) AS crew_new,

crew AS crew_old

FROM movie_dataset;
```

```
CREATE TABLE original_language(
    idOringLang INT AUTO_INCREMENT PRIMARY KEY NOT NULL,
    name_original_language VARCHAR(2) NOT NULL
);

CREATE TABLE Status(
    idStatus INT AUTO_INCREMENT PRIMARY KEY NOT NULL,
    nameStatus VARCHAR(15) NOT NULL
);
```

```
CREATE TABLE Movie (
   idMovie INT PRIMARY KEY NOT NULL,
   'index' INT NOT NULL ,
   budget BIGINT NOT NULL,
   homepage VARCHAR (255),
   keywords VARCHAR (255),
   original title VARCHAR (255) NOT NULL,
   overview TEXT,
   release date DATE,
   revenue BIGINT NOT NULL,
   runtime DOUBLE,
   idStatus INT NOT NULL,
   tagline VARCHAR (255),
   title VARCHAR (255) NOT NULL,
   vote average DOUBLE NOT NULL,
   vote count INT NOT NULL,
   FOREIGN KEY (idOrigLang) REFERENCES original language (idOringLang),
   FOREIGN KEY (idStatus) REFERENCES status(idStatus)
```

```
CREATE TABLE production_countries(
    iso_3166_1 VARCHAR(10) PRIMARY KEY NOT NULL,
    pCountryName VARCHAR(255) NOT NULL
);

CREATE TABLE production_companies(
    pCompanyId INT PRIMARY KEY NOT NULL,
    pCompanyName VARCHAR(255) NOT NULL
);

CREATE TABLE spoken_language(
    iso_639_1 VARCHAR(2) PRIMARY KEY NOT NULL,
    nameSLang VARCHAR(255) NOT NULL
);
```

```
CREATE TABLE Movie production countries (
   idMovie INT NOT NULL,
   PRIMARY KEY (idMovie, iso 3166 1),
   FOREIGN KEY (idMovie) REFERENCES Movie (idMovie),
   FOREIGN KEY (iso 3166 1) REFERENCES production countries (iso 3166 1)
CREATE TABLE Movie production companies (
   PRIMARY KEY (idMovie, pCompanyId),
   FOREIGN KEY (idMovie) REFERENCES Movie (idMovie),
   FOREIGN KEY (pCompanyId) REFERENCES production companies (pCompanyId)
CREATE TABLE Movie spoken languages (
   iso 639 1 VARCHAR(2) NOT NULL,
   PRIMARY KEY (idMovie, iso 639 1),
   FOREIGN KEY (idMovie) REFERENCES Movie (idMovie),
   FOREIGN KEY (iso 639 1) REFERENCES spoken language (iso 639 1)
```

```
CREATE TABLE Persona(
idCrew INT PRIMARY KEY NOT NULL,
name VARCHAR(255) NOT NULL,
gender INT
);
```

```
CREATE TABLE Movie_Persona(
    idMovie INT NOT NULL,
    idCrew INT NOT NULL,
    job VARCHAR(255) NOT NULL,
    department VARCHAR(255),
    credit_id VARCHAR(255),
    PRIMARY KEY (idMovie, idCrew, job),
    FOREIGN KEY (idMovie) REFERENCES Movie(idMovie),
    FOREIGN KEY (idCrew) REFERENCES Persona(idCrew)
);
```

```
-- Abrir el cursor

OPEN CursorOL;

CursorOL_loop: LOOP
    FETCH CursorOL INTO nameOL;

-- Si alcanzo el final del cursor entonces salir del ciclo repetitivo
    IF done THEN
        LEAVE CursorOL_loop;
    END IF;

    SET @_oStatement = CONCAT('INSERT INTO original_language
(name_original_language) VALUES (\'',
        nameOL, \'\');');
    PREPARE sent1 FROM @_oStatement;
    EXECUTE sent1;

DEALLOCATE PREPARE sent1;

END LOOP;
CLOSE CursorOL;
END $$
DELIMITER;
```

```
DELIMITER $$
CREATE PROCEDURE TablaMovie()
DECLARE done INT DEFAULT FALSE;
DECLARE Mov idMovie INT;
DECLARE Mov index INT;
DECLARE Mov budget BIGINT;
DECLARE Mov homepage VARCHAR (255);
DECLARE Mov keywords VARCHAR (255);
DECLARE Mov name original language VARCHAR(2);
DECLARE Mov original title VARCHAR (255);
DECLARE Mov overview TEXT;
DECLARE Mov popularity DOUBLE;
DECLARE Mov release date DATE;
DECLARE Mov revenue BIGINT;
DECLARE Mov runtime DOUBLE;
DECLARE Mov nameStatus VARCHAR(15);
DECLARE Mov tagline VARCHAR (255);
DECLARE Mov title VARCHAR (255);
DECLARE Mov vote average DOUBLE;
DECLARE Mov vote count INT;
DECLARE Status idStatus int;
DECLARE OL idOriginal language int;
```

```
DECLARE CursorMovie CURSOR FOR
           vote average, vote count FROM movie dataset;
DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = TRUE;
OPEN CursorMovie;
CursorMovie loop: LOOP
    FETCH CursorMovie INTO Mov idMovie, Mov index, Mov budget, Mov homepage,
Mov keywords, Mov name original language,
       Mov original title, Mov overview, Mov popularity, Mov release date,
Mov revenue, Mov runtime,
       Mov nameStatus, Mov tagline, Mov title, Mov vote average,
Mov vote count;
    IF done THEN
        LEAVE CursorMovie loop;
    SELECT 'idStatus' INTO Status idStatus FROM Status WHERE nameStatus =
Mov nameStatus;
```

```
DROP PROCEDURE IF EXISTS TablaMovie production countries;
CREATE PROCEDURE TablaMovie production countries ()
DECLARE idProdCoun text;
DECLARE myCursor
 SELECT id, production countries FROM movie dataset;
FOR NOT FOUND SET done = TRUE ;
drop table if exists MovieProdCompTemp;
  SET @sql text = 'CREATE TABLE MovieProdCompTemp ( id int, idGenre
   PREPARE stmt FROM @sql text;
  EXECUTE stmt;
```

```
cursorLoop: LOOP

   FETCH myCursor INTO idMovie, idProdCoun;

-- Controlador para buscar cada uno de los arrays
   SET i = 0;

-- Si alcanzo el final del cursor entonces salir del ciclo repetitivo
IF done THEN
   LEAVE cursorLoop;
END IF;

WHILE (JSON_EXTRACT(idProdCoun, CONCAT('$[', i, '].iso_3166_1')) IS NOT
NULL) DO

SET idJSON = JSON_EXTRACT(idProdCoun, CONCAT('$[', i, '].iso_3166_1'));
SET i = i + 1;

SET @sql_text = CONCAT('INSERT INTO MovieProdCompTemp VALUES (', idMovie, ', ', REPLACE(idJSON, '\'', ''); ');
   PREPARE stmt FROM @sql_text;
   EXECUTE stmt;
```

```
DEALLOCATE PREPARE stmt;

END WHILE;

END LOOP;

select distinct * from MovieProdCompTemp;
   INSERT INTO Movie_production_countries
   SELECT DISTINCT id, idGenre
   FROM MovieProdCompTemp;
   drop table if exists MovieProdCompTemp;
CLOSE myCursor;

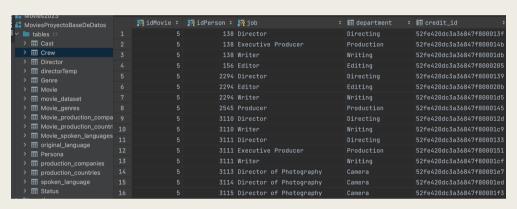
END$$

DELIMITER;

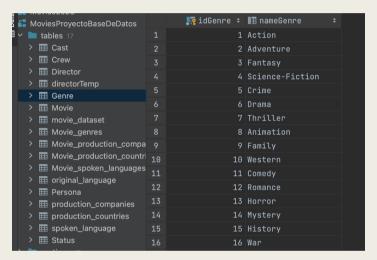
call TablaMovie_production_countries();

SELECT COUNT(*) FROM Movie_production_countries;
```

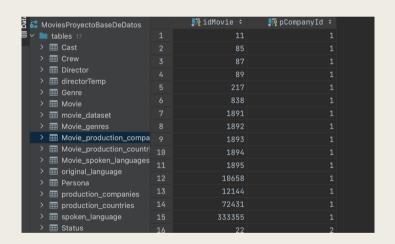
POBLACIÓN DE TABLAS

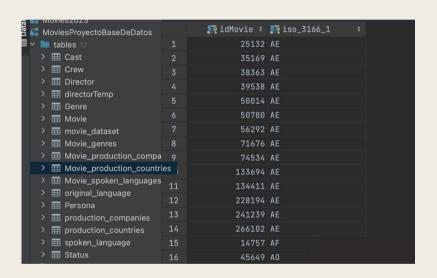


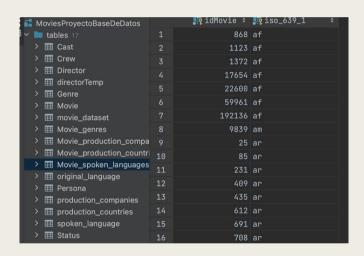
Maying Droys at a Base De Datas			J idPerson ≎
MoviesProyectoBaseDeDatos MoviesProyectoBaseDeDatos	1	5	3110
> III Cast			
> III Crew		11	
> III Director		12	
> III directorTemp		13	24
> III Genre		14	39
> III Movie		16	42
> III movie_dataset		18	59
> III Movie_genres		19	68
> III Movie_production_compa		20	90
> III Movie_production_countri	10	22	1704
> Movie_spoken_languages	11	24	138
> 🎛 original_language	12	25	39
> III Persona			
> III production_companies	13	28	1776
> III production_countries	14	33	190
> 🎛 spoken_language			197
> III Status	16	38	201
> in routines 15	17	55	223

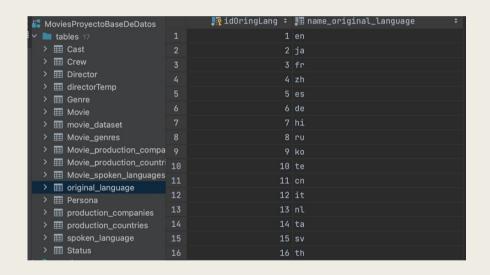


MoviesProyectoBaseDeDatos		🛂 idMovie 🗧	.⊞ index ≎	№ budget ÷	II homepage ÷	II keywords
✓ III tables 17			3766	4000000		hotel new year's eve witc
> III Cast			2912	11000000	http://www.starwars.com/films/star-w	android galaxy hermit dea
> III Crew			328	94000000	http://movies.disney.com/finding-nemo	father son relationship h
> III Director			809	55000000		vietnam veteran hippie me
> III directorTemp > III Genre				15000000	http://www.dreamworks.com/ab/	male nudity female nudity
> III Movie			2799	12800000		individual dancing usa ro
> III movie_dataset				90000000		clone taxi cyborg egypt f
> III Movie_genres			2638	92620000		man vs machine undergroun
> Movie_production_compa			4023		http://www.clubcultura.com/clubcine/	farewell responsability d
> III Movie_production_countri			199	140000000	http://disney.go.com/disneyvideos/li	exotic island blacksmith
> Movie_spoken_languages			828	30000000	http://www.miramax.com/movie/kill-bi	japan coma martial arts k
> III original_language > III Persona				72000000		sniper marine corps saudi
> production companies				31500000	http://www.apocalypsenow.com	guerrilla river vietnam v
> III production_countries			2664	14000000		prostitute sheriff bounty
> III spoken_language				75000000	http://www.simpsonsmovie.com/	father son relationship l
> III Status	16	38	2152	20000000	http://www.eternalsunshine.com	deja vu regret jealousy a

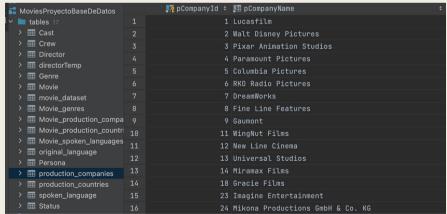


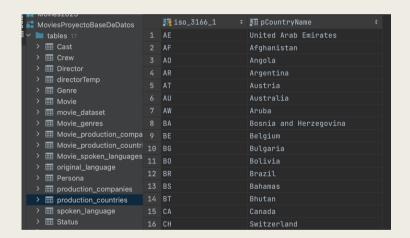


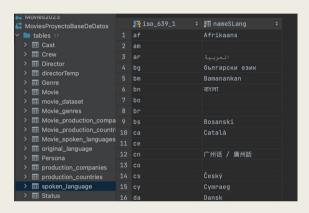


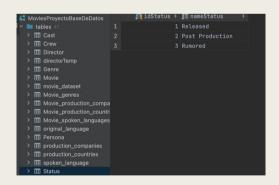












CONSULTAS

CONSULTAS

