**КУРСОВАЯ РАБОТА**

по курсу «[Основы реляционных баз данных. MySQL](https://geekbrains.ru/lessons/86915)»

по теме: «База данных фильмов и сериалов»

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# Введение

В данной работе представлена база данных фильмов, сериалов и пользователей для сайта выдуманного «cinemag». Для создания базы данных выбраны следующие таблицы: фильмы, характеристики фильмов, жанры, рейтинг, компании, режиссеры, страны, актеры, пользователи сайта, информация о пользователях. Для удобной работы с информацией в таблицах созданы представления отдельно для фильмов и сериалов и представление с информацией о данных пользователей. Для изучения информации в таблицах были использованы агрегационные запросы по таблицам с информацией о пользователях сайта, актёрах и режиссерах фильмов. Для работы с данными в представлениях для фильмов и сериалов были созданы процедуры.

# Создание таблиц

Сначала была создана общая таблица с уникальным ключом id, колонкой названия фильмов name, для которой имеется индекс по первым шести символам, чтобы ускорить поиск, колонка is\_series, для того, чтобы обозначить, что запись в таблице является сериалом (y) или фильмом (n).

**DROP** **TABLE** **IF** **EXISTS** `films`;

**CREATE** **TABLE** `films` (

`id` **bigint**(20) **unsigned** **NOT** **NULL** **AUTO\_INCREMENT**,

`name` **varchar**(256) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

`is\_series` **char**(1) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL** COMMENT 'фильм или сериал',

**PRIMARY** **KEY** (`id`),

**KEY** `film\_name\_idx` (`name`(6))

) ENGINE=InnoDB **AUTO\_INCREMENT**=101 **DEFAULT** CHARSET=utf8 **COLLATE**=utf8\_unicode\_ci;

Далее таблица с характеристиками фильмов, содержащая id фильмов film\_id (для создания внешнего ключа, чтобы связать данную таблицу с таблицей films), описание description, год выпуска years, бюджет фильмов budget.

**DROP** **TABLE** **IF** **EXISTS** `film\_characteristics`;

**CREATE** **TABLE** `film\_characteristics` (

`film\_id` **bigint**(20) **unsigned** **NOT** **NULL**,

`descriprion` **varchar**(1024) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

`years` **int**(32) **DEFAULT** **NULL**,

`budget` **double** **DEFAULT** **NULL**,

**KEY** `film\_id` (`film\_id`),

**CONSTRAINT** `film\_characteristics\_ibfk\_1` **FOREIGN** **KEY** (`film\_id`) **REFERENCES** `films` (`id`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**

) ENGINE=InnoDB **DEFAULT** CHARSET=utf8 **COLLATE**=utf8\_unicode\_ci;

На следующем этапе создавалась таблица с жанрами фильмов genre, также создержащая внешний ключ для связи с главной таблицей films.

**DROP** **TABLE** **IF** **EXISTS** `genre`;

**CREATE** **TABLE** `genre` (

`id` **bigint**(20) **unsigned** **NOT** **NULL** **AUTO\_INCREMENT**,

`name\_id` **bigint**(20) **unsigned** **NOT** **NULL**,

`name` **varchar**(256) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

**PRIMARY** **KEY** (`id`),

**KEY** `name\_id` (`name\_id`),

**CONSTRAINT** `genre\_ibfk\_1` **FOREIGN** **KEY** (`name\_id`) **REFERENCES** `films` (`id`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**

) ENGINE=InnoDB **AUTO\_INCREMENT**=101 **DEFAULT** CHARSET=utf8 **COLLATE**=utf8\_unicode\_ci;

Также у фильмов, есть рейтинг. Создана таблица рейтинга фильмов rating, которая содержит число звезд (фильм может иметь от 1 до 10 звезд), присвоенное фильмам stars, rating\_id для создания внешнего ключа.

**DROP** **TABLE** **IF** **EXISTS** `rating`;

**CREATE** **TABLE** `rating` (

`rating\_id` **bigint**(20) **unsigned** **NOT** **NULL**,

`stars` **int**(2) **DEFAULT** **NULL**,

**KEY** `rating\_id` (`rating\_id`),

**CONSTRAINT** `rating\_ibfk\_1` **FOREIGN** **KEY** (`rating\_id`) **REFERENCES** `films` (`id`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**

) ENGINE=InnoDB **DEFAULT** CHARSET=utf8 **COLLATE**=utf8\_unicode\_ci;

Таблица с компаниями company содержит id, сompany\_id, название компании name.

**DROP** **TABLE** **IF** **EXISTS** `company`;

**CREATE** **TABLE** `company` (

`id` **bigint**(20) **unsigned** **NOT** **NULL** **AUTO\_INCREMENT**,

`company\_id` **bigint**(20) **unsigned** **NOT** **NULL**,

`name` **varchar**(64) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

**PRIMARY** **KEY** (`id`),

**KEY** `company\_id` (`company\_id`),

**CONSTRAINT** `company\_ibfk\_1` **FOREIGN** **KEY** (`company\_id`) **REFERENCES** `films` (`id`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**

) ENGINE=InnoDB **AUTO\_INCREMENT**=101 **DEFAULT** CHARSET=utf8 **COLLATE**=utf8\_unicode\_ci;

В таблице с режиссерами фильмов имеются id, имя режиссера firstname, фамилия lastname, год рождения year\_of\_birth, национальность nationality.

**DROP** **TABLE** **IF** **EXISTS** `film\_director`;

**CREATE** **TABLE** `film\_director` (

`id` **bigint**(20) **unsigned** **NOT** **NULL** **AUTO\_INCREMENT**,

`firstname` **varchar**(100) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

`lastname` **varchar**(100) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

`year\_of\_birth` **int**(10) **DEFAULT** **NULL**,

`nationality` **char**(3) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

**PRIMARY** **KEY** (`id`)

) ENGINE=InnoDB **AUTO\_INCREMENT**=101 **DEFAULT** CHARSET=utf8 **COLLATE**=utf8\_unicode\_ci;

Для того, чтобы связать фильмы с их режиссерами, была создана таблица с отношением «многие-ко-многим» directors\_to\_films.

**DROP** **TABLE** **IF** **EXISTS** `directors\_to\_films`;

**CREATE** **TABLE** `directors\_to\_films` (

`director\_id` **bigint**(20) **unsigned** **NOT** **NULL**,

`film\_id` **bigint**(20) **unsigned** **NOT** **NULL**,

**KEY** `director\_id` (`director\_id`),

**KEY** `film\_id` (`film\_id`),

**CONSTRAINT** `directors\_to\_films\_ibfk\_1` **FOREIGN** **KEY** (`director\_id`) **REFERENCES** `film\_director` (`id`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**,

**CONSTRAINT** `directors\_to\_films\_ibfk\_2` **FOREIGN** **KEY** (`film\_id`) **REFERENCES** `films` (`id`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**

) ENGINE=InnoDB **DEFAULT** CHARSET=utf8 **COLLATE**=utf8\_unicode\_ci;

Таблица со странами country содержит информацию по странам: назование name и их буквенный код code.

**DROP** **TABLE** **IF** **EXISTS** `country`;

**CREATE** **TABLE** `country` (

`id` **bigint**(20) **unsigned** **NOT** **NULL** **AUTO\_INCREMENT**,

`id\_country` **bigint**(20) **unsigned** **NOT** **NULL**,

`code` **char**(3) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

`name` **varchar**(100) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

**PRIMARY** **KEY** (`id`),

**KEY** `id\_country` (`id\_country`),

**CONSTRAINT** `country\_ibfk\_1` **FOREIGN** **KEY** (`id\_country`) **REFERENCES** `films` (`id`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**

) ENGINE=InnoDB **AUTO\_INCREMENT**=101 **DEFAULT** CHARSET=utf8 **COLLATE**=utf8\_unicode\_ci;

Таблица с актёрами actors содержит id, имя аткера firstname, фаминию актера lastname, год рождения year\_of\_birth и национальность nationality.

**DROP** **TABLE** **IF** **EXISTS** `actors`;

**CREATE** **TABLE** `actors` (

`id` **bigint**(20) **unsigned** **NOT** **NULL** **AUTO\_INCREMENT**,

`firstname` **varchar**(100) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

`lastname` **varchar**(100) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

`year\_of\_birth` **int**(10) **DEFAULT** **NULL**,

`nationality` **char**(3) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

**PRIMARY** **KEY** (`id`)

) ENGINE=InnoDB **AUTO\_INCREMENT**=101 **DEFAULT** CHARSET=utf8 **COLLATE**=utf8\_unicode\_ci;

Для того, чтобы связать фильмы с их актерами, также была создана таблица с отношением «многие-ко-многим» actors\_to\_films.

**DROP** **TABLE** **IF** **EXISTS** `actors\_to\_films`;

**CREATE** **TABLE** `actors\_to\_films` (

`actor\_id` **bigint**(20) **unsigned** **NOT** **NULL**,

`film\_id` **bigint**(20) **unsigned** **NOT** **NULL**,

**KEY** `actor\_id` (`actor\_id`),

**KEY** `film\_id` (`film\_id`),

**CONSTRAINT** `actors\_to\_films\_ibfk\_1` **FOREIGN** **KEY** (`actor\_id`) **REFERENCES** `actors` (`id`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**,

**CONSTRAINT** `actors\_to\_films\_ibfk\_2` **FOREIGN** **KEY** (`film\_id`) **REFERENCES** `films` (`id`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**

) ENGINE=InnoDB **DEFAULT** CHARSET=utf8 **COLLATE**=utf8\_unicode\_ci;

Таблица с пользователями users, содержит id пользователей, логин users\_log и пароль users\_password.

**DROP** **TABLE** **IF** **EXISTS** `users`;

**CREATE** **TABLE** `users` (

`id` **bigint**(20) **unsigned** **NOT** **NULL** **AUTO\_INCREMENT**,

`users\_log` **varchar**(250) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

`users\_password` **varchar**(250) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

**PRIMARY** **KEY** (`id`)

) ENGINE=InnoDB **AUTO\_INCREMENT**=101 **DEFAULT** CHARSET=utf8 **COLLATE**=utf8\_unicode\_ci;

Далее была создана таблица с информацией о пользователе inf\_about\_users, в которой есть имя пользователя firstname, фамилия lastname, дата рождения years\_of\_birth, национальность nationality и страна пользователя country.

**DROP** **TABLE** **IF** **EXISTS** `inf\_about\_users`;

**CREATE** **TABLE** `inf\_about\_users` (

`inf\_about\_users\_id` **bigint**(20) **unsigned** **NOT** **NULL**,

`firstname` **varchar**(100) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

`lastname` **varchar**(100) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

`year\_of\_birth` **int**(10) **DEFAULT** **NULL**,

`nationality` **char**(3) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

`country` **varchar**(100) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

**KEY** `inf\_about\_users\_id` (`inf\_about\_users\_id`),

**CONSTRAINT** `inf\_about\_users\_ibfk\_1` **FOREIGN** **KEY** (`inf\_about\_users\_id`) **REFERENCES** `users` (`id`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**

) ENGINE=InnoDB **DEFAULT** CHARSET=utf8 **COLLATE**=utf8\_unicode\_ci;

Для того, чтобы связать пользователей и фильмы (для того, чтобы они могли хранить свой список любимых или понравившихся фильмов), была создана таблица с отношением «многие-ко-многим» users\_to\_films.

**DROP** **TABLE** **IF** **EXISTS** `users\_to\_films`;

**CREATE** **TABLE** `users\_to\_films` (

`user\_id` **bigint**(20) **unsigned** **NOT** **NULL**,

`film\_id` **bigint**(20) **unsigned** **NOT** **NULL**,

**KEY** `user\_id` (`user\_id`),

**KEY** `film\_id` (`film\_id`),

**CONSTRAINT** `users\_to\_films\_ibfk\_1` **FOREIGN** **KEY** (`user\_id`) **REFERENCES** `users` (`id`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**,

**CONSTRAINT** `users\_to\_films\_ibfk\_2` **FOREIGN** **KEY** (`film\_id`) **REFERENCES** `films` (`id`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**

) ENGINE=InnoDB **DEFAULT** CHARSET=utf8 **COLLATE**=utf8\_unicode\_ci;

Каждая таблица заполнялась по 100 записей. Код представлен в приложении данной работы.

# Создание представлений

Для сериалов создавалось представление series, которое содержит записи из таблиц films, film\_caracteristics, rating, company, directors\_to\_films, film\_director, actors\_to\_films и actors, где is\_series из таблицы films равно «y» (yes).

**DROP** **VIEW** **IF** **EXISTS** series;

**CREATE** **VIEW** series **AS**

**SELECT**

films.name NAME,

fc.years YEARS,

fc.budget BUDGET,

**CONCAT**(dir.firstname, ' ', dir.lastname) DIRECTOR,

**CONCAT**(actors.firstname, ' ', actors.lastname) ACTOR,

rating.stars STARS,

company.name COMPANY

**FROM** films

**JOIN** film\_characteristics fc **ON** fc.film\_id = films.id

**JOIN** rating **ON** rating.rating\_id = films.id

**JOIN** company **ON** company.company\_id = films.id

**JOIN** directors\_to\_films dtf **ON** dtf.film\_id = films.id

**JOIN** film\_director dir **ON** dir.id = dtf.director\_id

**JOIN** actors\_to\_films atf **ON** atf.film\_id = films.id

**JOIN** actors **ON** actors.id = atf.actor\_id

**WHERE** films.is\_series = 'y';

Отдельно для фильмов создано представление movies, которое содержит записи из таблиц films, film\_caracteristics, rating, company, directors\_to\_films, film\_director, actors\_to\_films и actors, где is\_series из таблицы films равно «n» (no).

**DROP** **VIEW** **IF** **EXISTS** movies;

**CREATE** **VIEW** movies **AS**

**SELECT**

films.name NAME,

fc.years YEARS,

fc.budget BUDGET,

**CONCAT**(dir.firstname, ' ', dir.lastname) DIRECTOR,

**CONCAT**(actors.firstname, ' ', actors.lastname) ACTOR,

rating.stars STARS,

company.name COMPANY

**FROM** films

**JOIN** film\_characteristics fc **ON** fc.film\_id = films.id

**JOIN** rating **ON** rating.rating\_id = films.id

**JOIN** company **ON** company.company\_id = films.id

**JOIN** directors\_to\_films dtf **ON** dtf.film\_id = films.id

**JOIN** film\_director dir **ON** dir.id = dtf.director\_id

**JOIN** actors\_to\_films atf **ON** atf.film\_id = films.id

**JOIN** actors **ON** actors.id = atf.actor\_id

**WHERE** films.is\_series = 'n';

Для удобства создано представление users\_info, которое включает информацию о логине пользователя, его полное имя (имя и фамилия сделаны с помощью конкатинации CONCAT), его страну, национальность и год рождения. Данные взяты из таблиц users и inf\_about\_users.

**DROP** **VIEW** **IF** **EXISTS** users\_info;

**CREATE** **VIEW** users\_info **AS**

**SELECT**

users.users\_log LOGIN,

**CONCAT** (inf\_about\_users.firstname,' ',inf\_about\_users.lastname) PERSON,

inf\_about\_users.country COUNTRY,

inf\_about\_users.year\_of\_birth `YEAR OF BIRTH`,

inf\_about\_users.nationality NATIONALITY

**FROM** users

**JOIN** inf\_about\_users **ON** inf\_about\_users.inf\_about\_users\_id = users.id;

# Использование запросов агрегации

Чтобы узнать распределение пользователей по возрасту (он получен с помощью вычитаения текущего года и года рождения пользователя), сделан группировочный запрос GROUP BY по year\_of\_birth из таблицы inf\_about\_users.

**SELECT** 2020 - year\_of\_birth AGE, **COUNT**(\*)

**FROM** inf\_about\_users

**GROUP** **BY** year\_of\_birth

**ORDER** **BY** year\_of\_birth;

Чтобы узнать распределение по национальности актеров, режиссёров и пользователей, был использован запрос GROUP BY по колонке nationality из таблиц actors, film\_director и inf\_about\_users соответственно.

**SELECT** nationality, **COUNT**(\*)

**FROM** inf\_about\_users

**GROUP** **BY** nationality

**ORDER** **BY** nationality;

**SELECT** nationality, **COUNT**(\*)

**FROM** actors

**GROUP** **BY** nationality

**ORDER** **BY** nationality;

**SELECT** nationality, **COUNT**(\*)

**FROM** film\_director

**GROUP** **BY** nationality

**ORDER** **BY** nationality;

# Создание процедур

Для получения информации о количестве «хороших» фильмов, имеющих оценку не ниже определенной, создана процедура, в которую передается количество звезд о (в данном случае 5 «здезд») и возвращаующую количество фильмов с нужным рейтингом из представления movies.

**DELIMITER //**

**DROP** **PROCEDURE** **IF** **EXISTS** number\_of\_good\_films//

**CREATE** **PROCEDURE** number\_of\_good\_films(**INOUT** value **INT**)

**BEGIN**

**SELECT** **COUNT**(\*) **INTO** value **FROM** movies **WHERE** stars >= value;

**END**//

**SET** @**number** = 5//

**CALL** number\_of\_good\_films(@**number**)//

**SELECT** @**number**//

По аналогии создана процедура для представления series, возвращающая количество «плохих» сериалов (с оценкой ниже 5 «звёзд»).

**DROP** **PROCEDURE** **IF** **EXISTS** number\_of\_bad\_series//

**CREATE** **PROCEDURE** number\_of\_bad\_series (**INOUT** value **INT**)

**BEGIN**

**SELECT** **COUNT**(\*) **INTO** value **FROM** series **WHERE** stars <= value;

**END**//

**SET** @**number** = 5//

**CALL** number\_of\_bad\_series(@**number**)//

**SELECT** @**number**//

**DELIMITER ;**

# Приложение

-- Generation time: Fri, 18 Dec 2020 20:20:11 +0000

-- Host: mysql.hostinger.ro

-- DB name: u574849695\_24

/\*!40030 SET NAMES UTF8 \*/;

/\*!40101 SET @OLD\_CHARACTER\_SET\_CLIENT=@@CHARACTER\_SET\_CLIENT \*/;

/\*!40101 SET @OLD\_CHARACTER\_SET\_RESULTS=@@CHARACTER\_SET\_RESULTS \*/;

/\*!40101 SET @OLD\_COLLATION\_CONNECTION=@@COLLATION\_CONNECTION \*/;

/\*!40103 SET @OLD\_TIME\_ZONE=@@TIME\_ZONE \*/;

/\*!40103 SET TIME\_ZONE='+00:00' \*/;

/\*!40014 SET @OLD\_UNIQUE\_CHECKS=@@UNIQUE\_CHECKS, UNIQUE\_CHECKS=0 \*/;

/\*!40014 SET @OLD\_FOREIGN\_KEY\_CHECKS=@@FOREIGN\_KEY\_CHECKS, FOREIGN\_KEY\_CHECKS=0 \*/;

/\*!40101 SET @OLD\_SQL\_MODE=@@SQL\_MODE, SQL\_MODE='NO\_AUTO\_VALUE\_ON\_ZERO' \*/;

/\*!40111 SET @OLD\_SQL\_NOTES=@@SQL\_NOTES, SQL\_NOTES=0 \*/;

**DROP** **DATABASE** **IF** **EXISTS** cinemag;

**CREATE** **DATABASE** cinemag;

**USE** cinemag;

**DROP** **TABLE** **IF** **EXISTS** `actors`;

**CREATE** **TABLE** `actors` (

`id` **bigint**(20) **unsigned** **NOT** **NULL** **AUTO\_INCREMENT**,

`firstname` **varchar**(100) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

`lastname` **varchar**(100) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

`year\_of\_birth` **int**(10) **DEFAULT** **NULL**,

`nationality` **char**(3) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

**PRIMARY** **KEY** (`id`)

) ENGINE=InnoDB **AUTO\_INCREMENT**=101 **DEFAULT** CHARSET=utf8 **COLLATE**=utf8\_unicode\_ci;

**INSERT** **INTO** `actors` **VALUES** ('1','Maximillian','Ortiz','1975','USA'),

('2','Adam','Walter','1985','GER'),

('3','Kyle','Jacobson','2001','ENG'),

('4','Hadley','Sipes','2005','IT'),

('5','Dion','Waters','1994','KZ'),

('6','Hermina','Bosco','2019','FRA'),

('7','Carlo','O\'Connell','1990','CH'),

('8','Veronica','Greenfelder','2003','GER'),

('9','Marion','Christiansen','1982','IT'),

('10','Myrna','Larkin','2013','USA'),

('11','Cletus','Bins','1981','FRA'),

('12','Isabell','Blanda','1992','USA'),

('13','Lenny','Volkman','1986','CH'),

('14','Hannah','Cremin','2010','CH'),

('15','Drew','Bergnaum','2018','IT'),

('16','Leola','Schimmel','2006','GER'),

('17','Brandi','Morissette','1998','ENG'),

('18','Johann','Wiza','1995','ENG'),

('19','Thad','Smith','1992','RUS'),

('20','Mario','Upton','2015','GER'),

('21','Alexandrea','VonRueden','1983','RUS'),

('22','Christ','Barton','2001','RUS'),

('23','Maximo','Wunsch','1990','USA'),

('24','Heaven','Bernhard','2013','SPA'),

('25','Helen','Reichel','1978','SPA'),

('26','Helmer','Cronin','1995','ENG'),

('27','Zoey','Jaskolski','1977','CH'),

('28','Casimer','Balistreri','1998','CH'),

('29','Dahlia','Morissette','1985','ENG'),

('30','Sally','Watsica','1990','IT'),

('31','Clemens','Treutel','1998','ENG'),

('32','Wilfredo','D\'Amore','1987','USA'),

('33','Rachel','Blick','1990','KZ'),

('34','Jammie','Haley','1998','ENG'),

('35','Santiago','Lemke','2006','GER'),

('36','Margarett','Wisoky','1977','SPA'),

('37','Trevor','Hagenes','1998','IT'),

('38','Favian','Fay','1976','SPA'),

('39','Marisa','Upton','2004','ENG'),

('40','Natasha','Auer','2013','GER'),

('41','Sharon','Hessel','2004','KZ'),

('42','Anya','Stanton','1972','FRA'),

('43','Monty','Trantow','2000','SPA'),

('44','Monica','Schaefer','2007','FRA'),

('45','Casper','Vandervort','2006','KZ'),

('46','Reta','White','2006','CH'),

('47','Jadon','Halvorson','1999','RUS'),

('48','Dominique','Volkman','1982','ENG'),

('49','Korbin','Daniel','2012','IT'),

('50','Evert','McDermott','1985','RUS'),

('51','Walter','Gaylord','2002','RUS'),

('52','Lacey','Quigley','2017','FRA'),

('53','Vance','Parker','2019','SPA'),

('54','Everette','Nikolaus','1971','SPA'),

('55','Destiney','Kulas','1988','FRA'),

('56','Anabel','Hand','1998','KZ'),

('57','Newell','Stanton','2001','KZ'),

('58','Berta','Jacobi','1978','GER'),

('59','Zoey','Homenick','1993','KZ'),

('60','Elliot','McKenzie','2004','RUS'),

('61','Rex','Kerluke','1975','RUS'),

('62','Amara','Larkin','1977','CH'),

('63','Amy','Emmerich','2004','IT'),

('64','Arvilla','Boehm','1983','KZ'),

('65','Izabella','Daugherty','2020','IT'),

('66','Kennedi','Ullrich','1971','FRA'),

('67','Jeffery','Windler','1979','KZ'),

('68','Elisabeth','Goldner','2006','GER'),

('69','Ron','McLaughlin','2016','FRA'),

('70','Travis','Ledner','2008','IT'),

('71','Loma','Paucek','1971','ENG'),

('72','Lloyd','Howe','1979','IT'),

('73','Janis','Bins','1982','USA'),

('74','Francisca','Prosacco','1977','FRA'),

('75','Ken','Mertz','1998','GER'),

('76','Jayde','Denesik','2012','ENG'),

('77','Porter','Mertz','1988','KZ'),

('78','Emmalee','Kemmer','2003','CH'),

('79','Kiara','Tillman','1994','KZ'),

('80','Taurean','Satterfield','1985','ENG'),

('81','Lavern','Spinka','1977','USA'),

('82','Hermina','Hills','1975','GER'),

('83','Robyn','Klein','2020','IT'),

('84','Trever','Frami','1996','RUS'),

('85','Bernie','Mitchell','2010','GER'),

('86','Erica','Hartmann','1982','SPA'),

('87','Dallin','Weissnat','1976','GER'),

('88','Elinor','Harber','1986','IT'),

('89','Jarrell','Gislason','1976','GER'),

('90','Maddison','Kovacek','1994','SPA'),

('91','Jamil','Deckow','2000','USA'),

('92','Gus','Daniel','2005','USA'),

('93','Nelle','Sipes','1984','SPA'),

('94','Soledad','Rowe','2014','CH'),

('95','Deontae','Denesik','2007','CH'),

('96','Carlos','Leuschke','1978','SPA'),

('97','Marge','Bailey','2008','CH'),

('98','Ivah','Becker','2019','SPA'),

('99','Laverne','Ledner','1971','IT'),

('100','Regan','Haag','2011','IT');

**DROP** **TABLE** **IF** **EXISTS** `actors\_to\_films`;

**CREATE** **TABLE** `actors\_to\_films` (

`actor\_id` **bigint**(20) **unsigned** **NOT** **NULL**,

`film\_id` **bigint**(20) **unsigned** **NOT** **NULL**,

**KEY** `actor\_id` (`actor\_id`),

**KEY** `film\_id` (`film\_id`),

**CONSTRAINT** `actors\_to\_films\_ibfk\_1` **FOREIGN** **KEY** (`actor\_id`) **REFERENCES** `actors` (`id`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**,

**CONSTRAINT** `actors\_to\_films\_ibfk\_2` **FOREIGN** **KEY** (`film\_id`) **REFERENCES** `films` (`id`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**

) ENGINE=InnoDB **DEFAULT** CHARSET=utf8 **COLLATE**=utf8\_unicode\_ci;

**INSERT** **INTO** `actors\_to\_films` **VALUES** ('1','1'),

('2','2'),

('3','3'),

('4','4'),

('5','5'),

('6','6'),

('7','7'),

('8','8'),

('9','9'),

('10','10'),

('11','11'),

('12','12'),

('13','13'),

('14','14'),

('15','15'),

('16','16'),

('17','17'),

('18','18'),

('19','19'),

('20','20'),

('21','21'),

('22','22'),

('23','23'),

('24','24'),

('25','25'),

('26','26'),

('27','27'),

('28','28'),

('29','29'),

('30','30'),

('31','31'),

('32','32'),

('33','33'),

('34','34'),

('35','35'),

('36','36'),

('37','37'),

('38','38'),

('39','39'),

('40','40'),

('41','41'),

('42','42'),

('43','43'),

('44','44'),

('45','45'),

('46','46'),

('47','47'),

('48','48'),

('49','49'),

('50','50'),

('51','51'),

('52','52'),

('53','53'),

('54','54'),

('55','55'),

('56','56'),

('57','57'),

('58','58'),

('59','59'),

('60','60'),

('61','61'),

('62','62'),

('63','63'),

('64','64'),

('65','65'),

('66','66'),

('67','67'),

('68','68'),

('69','69'),

('70','70'),

('71','71'),

('72','72'),

('73','73'),

('74','74'),

('75','75'),

('76','76'),

('77','77'),

('78','78'),

('79','79'),

('80','80'),

('81','81'),

('82','82'),

('83','83'),

('84','84'),

('85','85'),

('86','86'),

('87','87'),

('88','88'),

('89','89'),

('90','90'),

('91','91'),

('92','92'),

('93','93'),

('94','94'),

('95','95'),

('96','96'),

('97','97'),

('98','98'),

('99','99'),

('100','100');

**DROP** **TABLE** **IF** **EXISTS** `company`;

**CREATE** **TABLE** `company` (

`id` **bigint**(20) **unsigned** **NOT** **NULL** **AUTO\_INCREMENT**,

`company\_id` **bigint**(20) **unsigned** **NOT** **NULL**,

`name` **varchar**(64) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

**PRIMARY** **KEY** (`id`),

**KEY** `company\_id` (`company\_id`),

**CONSTRAINT** `company\_ibfk\_1` **FOREIGN** **KEY** (`company\_id`) **REFERENCES** `films` (`id`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**

) ENGINE=InnoDB **AUTO\_INCREMENT**=101 **DEFAULT** CHARSET=utf8 **COLLATE**=utf8\_unicode\_ci;

**INSERT** **INTO** `company` **VALUES** ('1','1','consectetur'),

('2','2','alias'),

('3','3','minima'),

('4','4','numquam'),

('5','5','sed'),

('6','6','qui'),

('7','7','voluptas'),

('8','8','maiores'),

('9','9','adipisci'),

('10','10','laboriosam'),

('11','11','et'),

('12','12','mollitia'),

('13','13','dicta'),

('14','14','velit'),

('15','15','sit'),

('16','16','distinctio'),

('17','17','delectus'),

('18','18','et'),

('19','19','corrupti'),

('20','20','voluptatibus'),

('21','21','enim'),

('22','22','placeat'),

('23','23','vel'),

('24','24','et'),

('25','25','sit'),

('26','26','impedit'),

('27','27','dolore'),

('28','28','inventore'),

('29','29','possimus'),

('30','30','illo'),

('31','31','debitis'),

('32','32','fuga'),

('33','33','vel'),

('34','34','consequuntur'),

('35','35','ipsam'),

('36','36','veritatis'),

('37','37','reprehenderit'),

('38','38','sunt'),

('39','39','quae'),

('40','40','molestiae'),

('41','41','enim'),

('42','42','fugit'),

('43','43','est'),

('44','44','fugiat'),

('45','45','vel'),

('46','46','voluptatibus'),

('47','47','numquam'),

('48','48','tempora'),

('49','49','quidem'),

('50','50','ipsum'),

('51','51','eos'),

('52','52','fugit'),

('53','53','sit'),

('54','54','molestiae'),

('55','55','ut'),

('56','56','voluptatem'),

('57','57','itaque'),

('58','58','neque'),

('59','59','veritatis'),

('60','60','est'),

('61','61','eos'),

('62','62','dicta'),

('63','63','necessitatibus'),

('64','64','necessitatibus'),

('65','65','et'),

('66','66','nihil'),

('67','67','quidem'),

('68','68','sed'),

('69','69','et'),

('70','70','consequuntur'),

('71','71','non'),

('72','72','distinctio'),

('73','73','iusto'),

('74','74','blanditiis'),

('75','75','consequatur'),

('76','76','deserunt'),

('77','77','laboriosam'),

('78','78','doloribus'),

('79','79','aliquid'),

('80','80','quaerat'),

('81','81','velit'),

('82','82','culpa'),

('83','83','est'),

('84','84','vel'),

('85','85','iste'),

('86','86','sed'),

('87','87','omnis'),

('88','88','maiores'),

('89','89','officia'),

('90','90','quidem'),

('91','91','debitis'),

('92','92','eaque'),

('93','93','incidunt'),

('94','94','facere'),

('95','95','totam'),

('96','96','dolorem'),

('97','97','earum'),

('98','98','sed'),

('99','99','consequuntur'),

('100','100','deleniti');

**DROP** **TABLE** **IF** **EXISTS** `country`;

**CREATE** **TABLE** `country` (

`id` **bigint**(20) **unsigned** **NOT** **NULL** **AUTO\_INCREMENT**,

`id\_country` **bigint**(20) **unsigned** **NOT** **NULL**,

`code` **char**(3) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

`name` **varchar**(100) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

**PRIMARY** **KEY** (`id`),

**KEY** `id\_country` (`id\_country`),

**CONSTRAINT** `country\_ibfk\_1` **FOREIGN** **KEY** (`id\_country`) **REFERENCES** `films` (`id`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**

) ENGINE=InnoDB **AUTO\_INCREMENT**=101 **DEFAULT** CHARSET=utf8 **COLLATE**=utf8\_unicode\_ci;

**INSERT** **INTO** `country` **VALUES** ('1','1','z','natus'),

('2','2','y','quis'),

('3','3','n','hic'),

('4','4','o','voluptatibus'),

('5','5','x','distinctio'),

('6','6','c','sed'),

('7','7','p','beatae'),

('8','8','w','vitae'),

('9','9','p','dicta'),

('10','10','d','aut'),

('11','11','p','praesentium'),

('12','12','k','omnis'),

('13','13','h','vitae'),

('14','14','g','saepe'),

('15','15','e','laudantium'),

('16','16','i','aut'),

('17','17','x','officiis'),

('18','18','k','quibusdam'),

('19','19','d','consequatur'),

('20','20','v','rerum'),

('21','21','m','laudantium'),

('22','22','p','aut'),

('23','23','f','sapiente'),

('24','24','a','omnis'),

('25','25','w','sit'),

('26','26','r','dolor'),

('27','27','r','nihil'),

('28','28','y','perspiciatis'),

('29','29','k','minima'),

('30','30','x','neque'),

('31','31','g','sit'),

('32','32','k','praesentium'),

('33','33','f','ratione'),

('34','34','b','cumque'),

('35','35','f','dolorum'),

('36','36','m','accusamus'),

('37','37','s','numquam'),

('38','38','n','natus'),

('39','39','o','et'),

('40','40','z','qui'),

('41','41','t','est'),

('42','42','c','qui'),

('43','43','q','voluptatem'),

('44','44','i','eos'),

('45','45','z','vitae'),

('46','46','l','quia'),

('47','47','n','nobis'),

('48','48','i','neque'),

('49','49','n','ex'),

('50','50','e','alias'),

('51','51','a','voluptatem'),

('52','52','s','magnam'),

('53','53','t','doloribus'),

('54','54','e','impedit'),

('55','55','h','sapiente'),

('56','56','z','voluptate'),

('57','57','x','quod'),

('58','58','g','ut'),

('59','59','a','occaecati'),

('60','60','p','incidunt'),

('61','61','x','qui'),

('62','62','s','minima'),

('63','63','e','officia'),

('64','64','a','aut'),

('65','65','m','aperiam'),

('66','66','l','eius'),

('67','67','t','asperiores'),

('68','68','e','at'),

('69','69','s','quis'),

('70','70','o','architecto'),

('71','71','s','magni'),

('72','72','o','exercitationem'),

('73','73','t','vel'),

('74','74','h','ipsa'),

('75','75','f','sint'),

('76','76','y','architecto'),

('77','77','r','expedita'),

('78','78','z','omnis'),

('79','79','v','dolore'),

('80','80','t','magni'),

('81','81','d','modi'),

('82','82','r','voluptatem'),

('83','83','w','nulla'),

('84','84','p','odio'),

('85','85','v','minus'),

('86','86','a','enim'),

('87','87','d','eveniet'),

('88','88','a','voluptatem'),

('89','89','r','quas'),

('90','90','z','vel'),

('91','91','w','ex'),

('92','92','s','provident'),

('93','93','y','tempore'),

('94','94','l','ex'),

('95','95','i','eos'),

('96','96','u','deleniti'),

('97','97','i','quos'),

('98','98','r','ipsa'),

('99','99','j','amet'),

('100','100','e','repudiandae');

**DROP** **TABLE** **IF** **EXISTS** `directors\_to\_films`;

**CREATE** **TABLE** `directors\_to\_films` (

`director\_id` **bigint**(20) **unsigned** **NOT** **NULL**,

`film\_id` **bigint**(20) **unsigned** **NOT** **NULL**,

**KEY** `director\_id` (`director\_id`),

**KEY** `film\_id` (`film\_id`),

**CONSTRAINT** `directors\_to\_films\_ibfk\_1` **FOREIGN** **KEY** (`director\_id`) **REFERENCES** `film\_director` (`id`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**,

**CONSTRAINT** `directors\_to\_films\_ibfk\_2` **FOREIGN** **KEY** (`film\_id`) **REFERENCES** `films` (`id`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**

) ENGINE=InnoDB **DEFAULT** CHARSET=utf8 **COLLATE**=utf8\_unicode\_ci;

**INSERT** **INTO** `directors\_to\_films` **VALUES** ('1','1'),

('2','2'),

('3','3'),

('4','4'),

('5','5'),

('6','6'),

('7','7'),

('8','8'),

('9','9'),

('10','10'),

('11','11'),

('12','12'),

('13','13'),

('14','14'),

('15','15'),

('16','16'),

('17','17'),

('18','18'),

('19','19'),

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('21','21'),

('22','22'),

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('30','30'),

('31','31'),

('32','32'),

('33','33'),

('34','34'),

('35','35'),

('36','36'),

('37','37'),

('38','38'),

('39','39'),

('40','40'),

('41','41'),

('42','42'),

('43','43'),

('44','44'),

('45','45'),

('46','46'),

('47','47'),

('48','48'),

('49','49'),

('50','50'),

('51','51'),

('52','52'),

('53','53'),

('54','54'),

('55','55'),

('56','56'),

('57','57'),

('58','58'),

('59','59'),

('60','60'),

('61','61'),

('62','62'),

('63','63'),

('64','64'),

('65','65'),

('66','66'),

('67','67'),

('68','68'),

('69','69'),

('70','70'),

('71','71'),

('72','72'),

('73','73'),

('74','74'),

('75','75'),

('76','76'),

('77','77'),

('78','78'),

('79','79'),

('80','80'),

('81','81'),

('82','82'),

('83','83'),

('84','84'),

('85','85'),

('86','86'),

('87','87'),

('88','88'),

('89','89'),

('90','90'),

('91','91'),

('92','92'),

('93','93'),

('94','94'),

('95','95'),

('96','96'),

('97','97'),

('98','98'),

('99','99'),

('100','100');

**DROP** **TABLE** **IF** **EXISTS** `film\_characteristics`;

**CREATE** **TABLE** `film\_characteristics` (

`film\_id` **bigint**(20) **unsigned** **NOT** **NULL**,

`descriprion` **varchar**(1024) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

`years` **int**(32) **DEFAULT** **NULL**,

`budget` **double** **DEFAULT** **NULL**,

**KEY** `film\_id` (`film\_id`),

**CONSTRAINT** `film\_characteristics\_ibfk\_1` **FOREIGN** **KEY** (`film\_id`) **REFERENCES** `films` (`id`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**

) ENGINE=InnoDB **DEFAULT** CHARSET=utf8 **COLLATE**=utf8\_unicode\_ci;

**INSERT** **INTO** `film\_characteristics` **VALUES** ('1','Enim magni voluptas quisquam amet consectetur itaque sed provident velit fugit.','2012','4427085805.448'),

('2','In sunt eum quo quibusdam tempora culpa in nisi.','2010','1393205290.9'),

('3','Voluptas et rem sint debitis dolorum sapiente impedit et non.','1972','227459480.52891'),

('4','Est sit error ea quia et hic omnis esse odit vel accusantium.','1974','3478197359'),

('5','Molestiae exercitationem voluptatem ipsum autem et ea debitis in quidem ullam dolor.','2011','1202821483.4067'),

('6','Voluptatem dolore ipsam nisi molestiae alias numquam velit quia assumenda delectus.','1990','2646139696.53'),

('7','Aperiam quia et quo consequatur non perspiciatis.','1977','1794566083.0095'),

('8','Commodi necessitatibus ut necessitatibus quibusdam et et.','1998','2933252430.8'),

('9','Voluptatem optio voluptate quaerat ut porro minus eius.','1993','4149219775.366'),

('10','Numquam rerum ipsa porro et dolorum necessitatibus voluptas.','1999','3473994321.6'),

('11','Occaecati mollitia atque velit quae et impedit fugiat cupiditate ratione.','2020','3480883459.997'),

('12','Ut et et suscipit dicta sunt ipsum harum natus.','1988','3618570618.3'),

('13','Maxime dolorem culpa aut sed molestias aut perferendis architecto voluptates neque sed incidunt.','2019','4636966898.3661'),

('14','Facilis et quo aperiam laboriosam praesentium dolorem voluptatem qui deleniti consectetur.','1973','426905806.90107'),

('15','Nemo ad reprehenderit non sit dicta quia et fugiat officia.','1996','572075316.4'),

('16','Et a sed quas magni voluptatem veniam et et quis.','1982','1025140361'),

('17','Consequatur molestiae et et nostrum nesciunt corporis itaque nihil error velit.','2009','4681441048.8594'),

('18','Quia ut officiis fuga dicta ut dolores dolor eum soluta vero quaerat vitae nihil id.','1993','1910981018.3918'),

('19','Commodi vitae voluptas voluptates molestias a facere velit.','2012','3085152027'),

('20','Molestiae consectetur reiciendis quasi pariatur ipsum temporibus est dolor minus beatae aut.','1991','4620349024.2731'),

('21','Odit assumenda aut illum soluta quia rerum iste nobis qui autem.','2009','4204069567'),

('22','Ut perferendis sunt ipsam aut et quibusdam nisi dolorum accusantium et officia.','1976','4780651740.26'),

('23','Quaerat mollitia aliquam optio rerum exercitationem aut perferendis odit molestiae.','1990','1580268507.9836'),

('24','Qui fuga dolorem iure iure ipsa minima in.','2001','4625624232.1892'),

('25','Eos doloribus blanditiis rerum eum ratione explicabo consequuntur.','2002','139713707.6674'),

('26','Officia aut voluptas voluptas quas sunt sint porro sit autem.','1974','2117174871'),

('27','A ut in deserunt et odio quas architecto dolores culpa esse architecto necessitatibus.','1986','4673357319.54'),

('28','Delectus in inventore odio a occaecati perspiciatis aut excepturi qui.','2009','203554653.6844'),

('29','Doloremque dolorum sit inventore optio perferendis quaerat asperiores explicabo cum.','1983','1675955131.3439'),

('30','Quibusdam deleniti debitis enim asperiores nam perferendis et ipsum distinctio labore voluptas nobis labore.','2012','291893806.9644'),

('31','Voluptate omnis eveniet placeat nihil ut doloremque velit voluptatibus.','1983','1905587158'),

('32','A voluptas animi velit unde rerum excepturi dignissimos sint.','1998','156828262.975'),

('33','Velit tempore ab natus illo non officia rerum unde labore.','1975','507569443'),

('34','Nihil eligendi eum consequatur recusandae sit nam animi culpa omnis qui ut ut aut.','1984','815089164.87031'),

('35','Harum natus excepturi voluptatem dignissimos quia animi consequatur suscipit non at nesciunt hic.','1991','4955878310.79'),

('36','Eius rem nesciunt ea quisquam et culpa eos.','2020','1916727903.8'),

('37','Itaque consequatur voluptates adipisci nam illum vero assumenda modi quia optio.','2019','4352999458.7'),

('38','Tempore voluptatibus in consequatur in molestias velit.','2002','142114961.79377'),

('39','Aliquid minima nam doloremque nostrum cumque enim cum vel.','1996','2767612529.7188'),

('40','Dolor non fugit dolore officia eveniet soluta voluptas asperiores impedit impedit quos.','1995','480366086.8894'),

('41','Temporibus aut placeat et iste libero illo.','2014','2159067854.4'),

('42','Beatae iste sit earum voluptas earum at earum dolore enim ut ipsa nulla.','1986','2934819376.0604'),

('43','Neque in alias odio rerum voluptate voluptatem qui culpa quo.','2006','1540424259.11'),

('44','Ut ad molestias quibusdam modi eum sequi dicta excepturi consequatur est at porro.','2012','2064445886.24'),

('45','Dolorum iste earum incidunt quidem dolore voluptatem est et dolor culpa ea velit earum.','2016','1874732784.539'),

('46','Soluta sed autem provident voluptate autem molestias.','1995','3409893166.4395'),

('47','Soluta ut officia quibusdam esse molestiae nihil quibusdam.','2018','3100253473.5181'),

('48','Hic amet sit ullam provident architecto quam placeat deserunt maiores omnis.','1981','45462261.421439'),

('49','Voluptatem minima sit impedit dignissimos voluptates repellendus qui modi.','2008','2648283048.8604'),

('50','Beatae quasi voluptas et ipsum minima sunt.','2000','1577800326.702'),

('51','Harum eligendi reprehenderit autem perspiciatis eos blanditiis asperiores consequuntur quo minus ratione hic.','1974','4790220076.6'),

('52','Voluptas omnis a omnis neque doloremque quia et.','2002','4884926564.7'),

('53','Quod et quia et repellat voluptatem fugiat.','1976','3303841430.13'),

('54','Sint qui sunt et rerum corporis molestiae ipsam veniam voluptas.','2007','1707671231.4749'),

('55','Non ad odit fugit beatae ratione qui dolorem unde aliquam voluptatem.','1992','1879926232'),

('56','Inventore placeat commodi nam qui magni et aut unde quaerat explicabo.','1978','3812560971.7396'),

('57','Ea non veritatis incidunt repellat hic dolorem optio architecto aut vel est ducimus accusantium nihil.','1984','499810040.14'),

('58','In pariatur et sit aut dolorem eos tenetur.','1997','2083510926.3222'),

('59','Alias odit iusto veritatis officia dolore blanditiis aut cupiditate est nulla autem suscipit sapiente est.','1984','2182523625.567'),

('60','Ducimus sunt repellat molestias dolorem eos quia odio et error atque perspiciatis quam.','1998','1326680415.78'),

('61','Cumque voluptatibus ea repellat enim animi culpa quam est nemo voluptas sit.','1993','1976504391.319'),

('62','Illo quam vel ut et voluptatem velit.','2002','56175374.618316'),

('63','Ut officia omnis eaque aliquam sunt nostrum.','2006','1822936610.021'),

('64','Dolorum beatae eligendi saepe accusantium repudiandae ipsa mollitia provident.','2004','3444669836.4122'),

('65','Non distinctio totam quas dolorem omnis reprehenderit tempore at in.','2007','1285503370.0587'),

('66','Assumenda beatae veritatis rerum placeat aspernatur sit error qui.','1992','3150530619.3101'),

('67','Earum omnis voluptas corporis cum sequi velit natus officiis vero repellendus alias a.','1999','4821914106.7514'),

('68','Blanditiis id unde quo fugit doloremque voluptatibus inventore ut adipisci et mollitia.','1983','1279674400.1786'),

('69','Nobis voluptas quo modi optio iste est laboriosam temporibus.','1985','3833965316.714'),

('70','Rerum voluptatem ipsa minima placeat ipsum ut qui aliquid perspiciatis.','2004','2477278160'),

('71','Sit et sequi magni vel officiis repudiandae est.','1988','2886429159.2773'),

('72','Amet animi nam in ut quia corporis.','1973','1317334237.048'),

('73','Repellendus qui numquam consectetur dicta vero inventore sequi.','2007','735734301.72367'),

('74','Quis reprehenderit debitis deleniti corrupti magni officiis omnis dolores quod vel dolor.','2020','865415484.48442'),

('75','Illum et placeat reiciendis exercitationem exercitationem laboriosam.','1970','1966100188.445'),

('76','Dolor quia sit officiis aut delectus voluptatibus aut nisi ipsum.','1998','2935028581.3369'),

('77','Corporis est quis harum ut suscipit non et qui accusantium vitae quidem.','1986','3400497092'),

('78','Commodi harum recusandae libero iure odit ab quia.','2005','4451199064.5712'),

('79','Sit omnis rerum facilis id aut sed corrupti.','1982','952592619.84'),

('80','Adipisci rem qui corporis omnis nihil sint porro impedit est quibusdam nisi.','1980','763938436.3'),

('81','Voluptatibus aliquam consequatur ut ut labore dolore quidem quo atque.','1994','2517624399'),

('82','Et illum quidem nesciunt voluptas ullam distinctio ipsam porro.','1986','1541763451.809'),

('83','Facilis omnis voluptatem fugit quos provident esse voluptatibus alias temporibus pariatur odio.','2004','1071275972.5031'),

('84','Laboriosam aut molestias rerum culpa vero doloremque quisquam cupiditate a cumque maxime qui.','1974','2165361195.6321'),

('85','Aliquid aut modi perferendis nemo mollitia animi non.','1970','1148645961.7936'),

('86','Voluptates quaerat sit voluptates est qui quasi quisquam sint.','2000','1733823637.2667'),

('87','Perspiciatis deleniti harum voluptas eum rerum temporibus occaecati laboriosam quae cupiditate.','1970','3221532701.0805'),

('88','Voluptatem nam inventore libero eum ut sit culpa.','1993','2584092056.0103'),

('89','Atque quo et qui natus est qui ut veritatis est rerum ratione.','1973','2322473683.0739'),

('90','Magni consequuntur ipsam tenetur vel ut quaerat pariatur quis.','2016','677552890.1046'),

('91','Explicabo consectetur aperiam perferendis est nihil voluptatem unde.','1990','123988294.20818'),

('92','Voluptas fugiat ut id harum qui vitae est harum quia praesentium.','2000','785108991.46431'),

('93','Ut consequatur in et architecto nam eos.','1996','3113755429.2799'),

('94','Libero doloremque quo dignissimos maxime qui qui tempore sit vel autem et.','2002','811932417.3655'),

('95','Quod enim quisquam accusantium molestiae voluptatem quis consequuntur.','2003','269234048.72331'),

('96','Nisi ipsam nihil dolorem iste atque ab architecto.','2019','1319393551.502'),

('97','Voluptas voluptas maxime laboriosam illo maxime veniam accusantium sed.','1983','510142296'),

('98','Impedit repudiandae atque iure porro sint assumenda aliquam.','2005','4486553589.8181'),

('99','Molestiae nihil deserunt natus esse commodi maxime tenetur.','2003','138322565.8039'),

('100','In delectus aut ipsam et nulla et perspiciatis qui minus.','2006','3145533141.0436');

**DROP** **TABLE** **IF** **EXISTS** `film\_director`;

**CREATE** **TABLE** `film\_director` (

`id` **bigint**(20) **unsigned** **NOT** **NULL** **AUTO\_INCREMENT**,

`firstname` **varchar**(100) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

`lastname` **varchar**(100) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

`year\_of\_birth` **int**(10) **DEFAULT** **NULL**,

`nationality` **char**(3) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

**PRIMARY** **KEY** (`id`)

) ENGINE=InnoDB **AUTO\_INCREMENT**=101 **DEFAULT** CHARSET=utf8 **COLLATE**=utf8\_unicode\_ci;

**INSERT** **INTO** `film\_director` **VALUES** ('1','Henri','Christiansen','1984','RUS'),

('2','Katlyn','Brown','1985','FRA'),

('3','Eden','Rowe','2014','KZ'),

('4','Eldora','Jakubowski','1993','IT'),

('5','Shemar','Swaniawski','1974','RUS'),

('6','Irving','Huels','2003','FRA'),

('7','Forrest','Hintz','2003','RUS'),

('8','Alyce','Donnelly','2016','SWD'),

('9','Watson','Abernathy','1985','CH'),

('10','Pascale','Barrows','2020','CH'),

('11','Gwen','Hettinger','2013','SWD'),

('12','Andreanne','Ledner','1984','FRA'),

('13','Lauriane','Erdman','1978','SWD'),

('14','Rory','Bergnaum','1972','USA'),

('15','Willis','Satterfield','1987','ENG'),

('16','Samantha','Swaniawski','2018','USA'),

('17','Brandyn','Wintheiser','1998','ENG'),

('18','Blake','Berge','1993','CH'),

('19','Danny','Carter','1987','ENG'),

('20','Tanner','Roberts','1987','RUS'),

('21','Kacey','Beahan','1975','USA'),

('22','Lina','Deckow','1983','USA'),

('23','Helga','Williamson','2006','IT'),

('24','Berneice','Wilderman','2014','IT'),

('25','Nickolas','Okuneva','1997','IT'),

('26','Eldridge','Smitham','1983','ENG'),

('27','Adolph','Buckridge','1974','CH'),

('28','Macie','Carroll','2011','FRA'),

('29','Emmy','Collier','2017','FRA'),

('30','Myles','Hermiston','2020','FRA'),

('31','Clemens','Braun','2005','USA'),

('32','Kattie','Purdy','2000','ENG'),

('33','Jazmin','Schamberger','2013','CH'),

('34','Trever','Grady','1997','IT'),

('35','Flo','McCullough','2011','RUS'),

('36','Lavada','Waters','2003','USA'),

('37','Fay','Smitham','2007','ENG'),

('38','Nash','Okuneva','2009','KZ'),

('39','Jayden','Breitenberg','1970','IT'),

('40','Fanny','Swift','1999','ENG'),

('41','Ignatius','Raynor','2017','USA'),

('42','Nelson','Marks','2002','SWD'),

('43','Addison','Harvey','2011','SWD'),

('44','Christine','Smith','1975','IT'),

('45','Andreanne','Mayer','1974','CH'),

('46','Orval','Conroy','2012','USA'),

('47','Retha','Windler','1999','SWD'),

('48','Sheridan','Douglas','1996','KZ'),

('49','Madge','Kuhn','2008','KZ'),

('50','Javon','Turcotte','1983','IT'),

('51','May','Runolfsdottir','2017','RUS'),

('52','Hunter','Bechtelar','2012','FRA'),

('53','Boyd','Kuphal','2019','CH'),

('54','Kaitlyn','Murphy','1994','SWD'),

('55','Madeline','Howe','2020','USA'),

('56','Caterina','Schumm','1986','RUS'),

('57','Gabriel','Cartwright','2008','SWD'),

('58','Anibal','Cronin','1993','CH'),

('59','Hollie','Kohler','1976','RUS'),

('60','Freeman','Block','1990','FRA'),

('61','D\'angelo','Hane','2001','ENG'),

('62','Imogene','Kub','2001','ENG'),

('63','Kallie','Herman','2014','SWD'),

('64','Aurelia','Stark','1976','KZ'),

('65','Emie','Fisher','1992','CH'),

('66','Torrance','Stroman','2000','FRA'),

('67','Marlene','O\'Kon','2018','FRA'),

('68','Fredy','Hegmann','2016','KZ'),

('69','Noe','Wuckert','1990','IT'),

('70','Max','Kautzer','1988','KZ'),

('71','Reynold','Wilderman','1975','ENG'),

('72','Dudley','Russel','1981','RUS'),

('73','Audreanne','Grady','2005','FRA'),

('74','Jenifer','Wolf','1980','FRA'),

('75','Lavada','Rath','2019','FRA'),

('76','Kieran','Durgan','2001','CH'),

('77','Cleve','Lueilwitz','1976','ENG'),

('78','Koby','Skiles','1986','USA'),

('79','Mylene','Boyer','2001','USA'),

('80','Matilda','Erdman','1991','IT'),

('81','Garnett','Leannon','2004','KZ'),

('82','Adriana','Schiller','2017','FRA'),

('83','Frederik','Hahn','2003','RUS'),

('84','Emery','Schmidt','2005','ENG'),

('85','Lexie','Sauer','2015','ENG'),

('86','Afton','Feest','1999','USA'),

('87','Earl','Hermiston','2015','SWD'),

('88','Floyd','Ondricka','1999','RUS'),

('89','Jabari','Labadie','1985','USA'),

('90','Orval','Rogahn','2005','ENG'),

('91','Kenna','Bernhard','1989','IT'),

('92','Rolando','O\'Reilly','1989','KZ'),

('93','Anne','Champlin','2019','CH'),

('94','Gene','Rice','2011','CH'),

('95','Armani','Emard','1988','ENG'),

('96','Claudine','Barrows','1992','RUS'),

('97','Enoch','Herman','1987','KZ'),

('98','Vladimir','Schuppe','2001','SWD'),

('99','Savanna','Hermann','2001','ENG'),

('100','Laurence','Wisozk','1972','RUS');

**DROP** **TABLE** **IF** **EXISTS** `films`;

**CREATE** **TABLE** `films` (

`id` **bigint**(20) **unsigned** **NOT** **NULL** **AUTO\_INCREMENT**,

`name` **varchar**(256) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

`is\_series` **char**(1) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL** COMMENT 'фильм или сериал',

**PRIMARY** **KEY** (`id`),

**KEY** `film\_name\_idx` (`name`(6))

) ENGINE=InnoDB **AUTO\_INCREMENT**=101 **DEFAULT** CHARSET=utf8 **COLLATE**=utf8\_unicode\_ci;

**INSERT** **INTO** `films` **VALUES** ('1','dignissimos','n'),

('2','sunt','y'),

('3','soluta','y'),

('4','sed','n'),

('5','explicabo','y'),

('6','beatae','n'),

('7','aliquid','y'),

('8','ea','n'),

('9','porro','y'),

('10','ratione','n'),

('11','eligendi','y'),

('12','maxime','y'),

('13','quod','y'),

('14','voluptates','y'),

('15','consequuntur','n'),

('16','eius','y'),

('17','illum','y'),

('18','adipisci','n'),

('19','aut','y'),

('20','dicta','n'),

('21','eligendi','y'),

('22','praesentium','y'),

('23','quis','y'),

('24','sit','n'),

('25','ut','n'),

('26','qui','n'),

('27','quasi','n'),

('28','vero','y'),

('29','sint','n'),

('30','maxime','y'),

('31','sint','n'),

('32','voluptatem','n'),

('33','iste','n'),

('34','delectus','n'),

('35','illo','n'),

('36','itaque','y'),

('37','sed','y'),

('38','quia','y'),

('39','adipisci','y'),

('40','voluptatum','y'),

('41','tempora','n'),

('42','a','n'),

('43','hic','n'),

('44','velit','n'),

('45','aut','n'),

('46','est','n'),

('47','tempore','n'),

('48','sed','n'),

('49','ab','y'),

('50','omnis','n'),

('51','recusandae','n'),

('52','est','n'),

('53','a','y'),

('54','explicabo','y'),

('55','molestiae','n'),

('56','voluptatibus','y'),

('57','possimus','n'),

('58','nulla','y'),

('59','eveniet','y'),

('60','nisi','n'),

('61','assumenda','y'),

('62','doloremque','y'),

('63','modi','y'),

('64','numquam','y'),

('65','aut','y'),

('66','earum','n'),

('67','necessitatibus','y'),

('68','hic','y'),

('69','asperiores','n'),

('70','similique','y'),

('71','voluptates','n'),

('72','qui','y'),

('73','est','n'),

('74','odit','y'),

('75','repudiandae','y'),

('76','minus','n'),

('77','rem','n'),

('78','ullam','n'),

('79','corrupti','n'),

('80','quo','y'),

('81','non','n'),

('82','voluptas','y'),

('83','dolorum','n'),

('84','soluta','n'),

('85','magnam','y'),

('86','eius','y'),

('87','deserunt','n'),

('88','debitis','y'),

('89','sit','n'),

('90','occaecati','n'),

('91','delectus','n'),

('92','et','n'),

('93','autem','y'),

('94','perferendis','n'),

('95','eos','n'),

('96','voluptates','n'),

('97','magnam','n'),

('98','occaecati','n'),

('99','voluptas','y'),

('100','quis','y');

**DROP** **TABLE** **IF** **EXISTS** `genre`;

**CREATE** **TABLE** `genre` (

`id` **bigint**(20) **unsigned** **NOT** **NULL** **AUTO\_INCREMENT**,

`name\_id` **bigint**(20) **unsigned** **NOT** **NULL**,

`name` **varchar**(256) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

**PRIMARY** **KEY** (`id`),

**KEY** `name\_id` (`name\_id`),

**CONSTRAINT** `genre\_ibfk\_1` **FOREIGN** **KEY** (`name\_id`) **REFERENCES** `films` (`id`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**

) ENGINE=InnoDB **AUTO\_INCREMENT**=101 **DEFAULT** CHARSET=utf8 **COLLATE**=utf8\_unicode\_ci;

**INSERT** **INTO** `genre` **VALUES** ('1','1','consequuntur'),

('2','2','cumque'),

('3','3','sapiente'),

('4','4','eius'),

('5','5','quia'),

('6','6','minima'),

('7','7','dignissimos'),

('8','8','illo'),

('9','9','temporibus'),

('10','10','rerum'),

('11','11','nihil'),

('12','12','dolor'),

('13','13','ut'),

('14','14','blanditiis'),

('15','15','facere'),

('16','16','consequatur'),

('17','17','voluptas'),

('18','18','ad'),

('19','19','autem'),

('20','20','veniam'),

('21','21','eos'),

('22','22','dolores'),

('23','23','reprehenderit'),

('24','24','ex'),

('25','25','quas'),

('26','26','omnis'),

('27','27','quia'),

('28','28','saepe'),

('29','29','dolor'),

('30','30','recusandae'),

('31','31','eos'),

('32','32','omnis'),

('33','33','itaque'),

('34','34','eius'),

('35','35','molestias'),

('36','36','et'),

('37','37','illum'),

('38','38','excepturi'),

('39','39','ut'),

('40','40','quisquam'),

('41','41','molestiae'),

('42','42','labore'),

('43','43','accusantium'),

('44','44','enim'),

('45','45','omnis'),

('46','46','nemo'),

('47','47','aliquam'),

('48','48','numquam'),

('49','49','quos'),

('50','50','inventore'),

('51','51','enim'),

('52','52','et'),

('53','53','sint'),

('54','54','corporis'),

('55','55','voluptates'),

('56','56','laudantium'),

('57','57','sit'),

('58','58','atque'),

('59','59','reprehenderit'),

('60','60','ipsum'),

('61','61','perspiciatis'),

('62','62','dolor'),

('63','63','laudantium'),

('64','64','illum'),

('65','65','asperiores'),

('66','66','voluptatem'),

('67','67','dolores'),

('68','68','architecto'),

('69','69','non'),

('70','70','a'),

('71','71','est'),

('72','72','adipisci'),

('73','73','quam'),

('74','74','expedita'),

('75','75','officia'),

('76','76','vel'),

('77','77','nisi'),

('78','78','est'),

('79','79','cupiditate'),

('80','80','provident'),

('81','81','excepturi'),

('82','82','modi'),

('83','83','quisquam'),

('84','84','debitis'),

('85','85','necessitatibus'),

('86','86','quidem'),

('87','87','nulla'),

('88','88','consequuntur'),

('89','89','nam'),

('90','90','delectus'),

('91','91','natus'),

('92','92','nobis'),

('93','93','saepe'),

('94','94','itaque'),

('95','95','doloribus'),

('96','96','repudiandae'),

('97','97','vel'),

('98','98','eius'),

('99','99','at'),

('100','100','est');

**DROP** **TABLE** **IF** **EXISTS** `inf\_about\_users`;

**CREATE** **TABLE** `inf\_about\_users` (

`inf\_about\_users\_id` **bigint**(20) **unsigned** **NOT** **NULL**,

`firstname` **varchar**(100) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

`lastname` **varchar**(100) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

`year\_of\_birth` **int**(10) **DEFAULT** **NULL**,

`nationality` **char**(3) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

`country` **varchar**(100) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

**KEY** `inf\_about\_users\_id` (`inf\_about\_users\_id`),

**CONSTRAINT** `inf\_about\_users\_ibfk\_1` **FOREIGN** **KEY** (`inf\_about\_users\_id`) **REFERENCES** `users` (`id`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**

) ENGINE=InnoDB **DEFAULT** CHARSET=utf8 **COLLATE**=utf8\_unicode\_ci;

**INSERT** **INTO** `inf\_about\_users` **VALUES** ('1','Rogelio','Spinka','1972','USA','SWD'),

('2','Filomena','McKenzie','1975','IT','KZ'),

('3','Lorenz','Von','1989','IT','IT'),

('4','Daryl','O\'Hara','1989','USA','USA'),

('5','Wade','Lehner','1982','FRA','FRA'),

('6','Arvid','Runolfsson','2016','RUS','KZ'),

('7','Natalia','Tremblay','1996','USA','RUS'),

('8','Selena','Howe','1977','RUS','IT'),

('9','Cristina','O\'Kon','1986','RUS','KZ'),

('10','Kareem','Cremin','2014','CH','FRA'),

('11','Mazie','Reilly','2012','CH','SWD'),

('12','Ozella','Carroll','1998','CH','IT'),

('13','Damaris','Macejkovic','2011','ENG','IT'),

('14','Ole','Barrows','1989','FRA','SWD'),

('15','Reginald','Nienow','2003','FRA','ENG'),

('16','Lavonne','Crona','1974','KZ','KZ'),

('17','Armani','Weissnat','2011','CH','IT'),

('18','Easter','Bahringer','1991','FRA','KZ'),

('19','Clemmie','Cormier','1984','IT','FRA'),

('20','Christine','Okuneva','1978','SWD','USA'),

('21','Elissa','Bartoletti','1977','ENG','KZ'),

('22','Graciela','Gutkowski','2019','IT','RUS'),

('23','Rex','Towne','1984','CH','IT'),

('24','Adrien','Kutch','1999','FRA','CH'),

('25','Herbert','Nader','2019','SWD','FRA'),

('26','Modesto','Stark','1989','RUS','IT'),

('27','Eda','Skiles','2019','FRA','ENG'),

('28','Gregoria','Grant','1970','ENG','ENG'),

('29','Emma','Gleichner','2015','USA','CH'),

('30','Pearl','Gulgowski','2005','IT','CH'),

('31','Andy','Yundt','1982','CH','RUS'),

('32','Jacques','Moen','2009','CH','RUS'),

('33','Kira','Conroy','1997','IT','KZ'),

('34','Ellie','Murazik','1988','ENG','USA'),

('35','Alec','Brakus','2006','ENG','SWD'),

('36','Ruth','Carroll','1994','FRA','RUS'),

('37','Grant','McLaughlin','1990','ENG','IT'),

('38','Scottie','Schimmel','1990','RUS','CH'),

('39','Maymie','Beatty','1971','RUS','RUS'),

('40','Etha','Schimmel','2014','ENG','USA'),

('41','Grayson','Crist','2017','IT','ENG'),

('42','Blanca','Gaylord','2012','IT','RUS'),

('43','Maurice','Blanda','2015','USA','RUS'),

('44','Collin','Kub','2018','CH','KZ'),

('45','Angus','Brakus','2011','SWD','KZ'),

('46','Monserrat','Spencer','2017','ENG','FRA'),

('47','Charlotte','Morar','2015','RUS','FRA'),

('48','Carolanne','Schaden','1985','ENG','FRA'),

('49','Ferne','Reichert','1970','IT','ENG'),

('50','Peggie','West','1994','KZ','KZ'),

('51','Hannah','Willms','1985','RUS','FRA'),

('52','Danika','Bergnaum','2011','SWD','IT'),

('53','Ida','Haag','1976','FRA','FRA'),

('54','Ellsworth','Schneider','2013','ENG','CH'),

('55','Wilma','Nitzsche','1979','SWD','ENG'),

('56','Mario','Williamson','1972','KZ','IT'),

('57','Damien','Homenick','1980','FRA','ENG'),

('58','Hannah','Romaguera','2002','IT','KZ'),

('59','Elijah','Oberbrunner','1970','RUS','USA'),

('60','Antonietta','Moore','2008','SWD','SWD'),

('61','Alexane','Dietrich','2017','USA','IT'),

('62','Peter','Rau','1991','ENG','KZ'),

('63','Abner','Kunze','1988','SWD','USA'),

('64','Briana','Mills','2012','ENG','ENG'),

('65','May','Cronin','1970','USA','SWD'),

('66','Dedric','Fahey','2012','RUS','FRA'),

('67','Vernie','Kerluke','1991','CH','IT'),

('68','Paxton','Ledner','2009','RUS','USA'),

('69','Leonardo','Hettinger','1975','ENG','USA'),

('70','Davonte','O\'Reilly','1978','IT','USA'),

('71','Halle','Klein','1992','USA','IT'),

('72','Kimberly','Hilll','1976','IT','FRA'),

('73','Elda','Eichmann','1982','FRA','SWD'),

('74','Amy','Spinka','1984','FRA','ENG'),

('75','Wade','Luettgen','2009','ENG','CH'),

('76','Maeve','Dibbert','1982','ENG','RUS'),

('77','Marc','Waters','1993','ENG','USA'),

('78','Paris','Herman','1994','CH','RUS'),

('79','Macey','Okuneva','2000','FRA','SWD'),

('80','Kira','Rogahn','1974','RUS','FRA'),

('81','Burley','McCullough','1992','IT','ENG'),

('82','Giovanny','Dare','2011','RUS','FRA'),

('83','Alan','Gottlieb','1989','SWD','KZ'),

('84','Josefina','Cummings','1980','RUS','SWD'),

('85','Myles','Fahey','1971','FRA','RUS'),

('86','Devon','Bernier','2000','ENG','ENG'),

('87','Greyson','Ondricka','1984','KZ','IT'),

('88','Orin','Stehr','2000','FRA','SWD'),

('89','Lizzie','Toy','2002','RUS','KZ'),

('90','Priscilla','Rosenbaum','2000','KZ','CH'),

('91','Christina','Conn','1988','FRA','CH'),

('92','Lizzie','Haag','1999','USA','CH'),

('93','Hallie','Schmeler','1976','USA','SWD'),

('94','Dejon','Jacobi','1979','KZ','SWD'),

('95','Misael','Abshire','1988','KZ','SWD'),

('96','Madyson','Frami','1977','SWD','KZ'),

('97','Emmalee','Windler','1982','RUS','SWD'),

('98','Crystal','Schamberger','2002','IT','USA'),

('99','Dedric','Wyman','1984','RUS','ENG'),

('100','Newell','Nader','1979','SWD','KZ');

**DROP** **TABLE** **IF** **EXISTS** `rating`;

**CREATE** **TABLE** `rating` (

`rating\_id` **bigint**(20) **unsigned** **NOT** **NULL**,

`stars` **int**(2) **DEFAULT** **NULL**,

**KEY** `rating\_id` (`rating\_id`),

**CONSTRAINT** `rating\_ibfk\_1` **FOREIGN** **KEY** (`rating\_id`) **REFERENCES** `films` (`id`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**

) ENGINE=InnoDB **DEFAULT** CHARSET=utf8 **COLLATE**=utf8\_unicode\_ci;

**INSERT** **INTO** `rating` **VALUES** ('1','3'),

('2','8'),

('3','3'),

('4','8'),

('5','9'),

('6','1'),

('7','3'),

('8','8'),

('9','9'),

('10','3'),

('11','5'),

('12','8'),

('13','10'),

('14','4'),

('15','2'),

('16','2'),

('17','9'),

('18','9'),

('19','1'),

('20','3'),

('21','6'),

('22','9'),

('23','2'),

('24','3'),

('25','1'),

('26','3'),

('27','1'),

('28','4'),

('29','10'),

('30','2'),

('31','1'),

('32','6'),

('33','2'),

('34','5'),

('35','4'),

('36','3'),

('37','9'),

('38','7'),

('39','9'),

('40','6'),

('41','1'),

('42','9'),

('43','7'),

('44','9'),

('45','10'),

('46','3'),

('47','2'),

('48','7'),

('49','5'),

('50','6'),

('51','10'),

('52','3'),

('53','10'),

('54','9'),

('55','5'),

('56','9'),

('57','10'),

('58','7'),

('59','5'),

('60','5'),

('61','10'),

('62','8'),

('63','3'),

('64','1'),

('65','9'),

('66','5'),

('67','6'),

('68','8'),

('69','10'),

('70','3'),

('71','1'),

('72','2'),

('73','1'),

('74','7'),

('75','5'),

('76','3'),

('77','6'),

('78','8'),

('79','3'),

('80','1'),

('81','8'),

('82','10'),

('83','10'),

('84','7'),

('85','3'),

('86','8'),

('87','7'),

('88','4'),

('89','9'),

('90','5'),

('91','10'),

('92','2'),

('93','1'),

('94','1'),

('95','6'),

('96','3'),

('97','7'),

('98','6'),

('99','6'),

('100','4');

**DROP** **TABLE** **IF** **EXISTS** `users`;

**CREATE** **TABLE** `users` (

`id` **bigint**(20) **unsigned** **NOT** **NULL** **AUTO\_INCREMENT**,

`users\_log` **varchar**(250) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

`users\_password` **varchar**(250) **COLLATE** utf8\_unicode\_ci **DEFAULT** **NULL**,

**PRIMARY** **KEY** (`id`)

) ENGINE=InnoDB **AUTO\_INCREMENT**=101 **DEFAULT** CHARSET=utf8 **COLLATE**=utf8\_unicode\_ci;

**INSERT** **INTO** `users` **VALUES** ('1','nihil','a31a57c5a7b6a9946e48dcb694c0a7a60b84be78'),

('2','sed','ca2c1824cca45f9a750d93a4cb65a3cf50fbfa80'),

('3','porro','a80b12091cdde2f55b12eb9db79770cceea1cca8'),

('4','iusto','d7c8041e06cf369eca0e20ad324ab8b92f381d43'),

('5','repudiandae','b2c0f44cf24ddbdecb3ab831082a9e04b2b6db74'),

('6','aut','a771de07a61dcb4c6cd5723bfcae6d6c82a8bb44'),

('7','cumque','c5b4e89c9070b62a2a4354765dfd41970a5447d2'),

('8','in','e0c3165cbe549b0bd62f93cc7cbcecb955c61a8a'),

('9','eos','1d162435564da8af84632094015d0216c69c46b7'),

('10','consequatur','d88de221e38b544f86a96697fa0debccd10a5883'),

('11','et','009831f4ac90237c5f1d6f303c2b76e58a49489f'),

('12','rerum','9a2349b6d2f5da11ee551c7d512c6a08552b52d7'),

('13','molestiae','4713ca07024764987b18383f9e5dd82fe80e1501'),

('14','dolores','14898a3d981e7697535c304aa15125368eed3f70'),

('15','reprehenderit','535f5ce6e30781081851b518e327bf29c9e68299'),

('16','aut','bdc2678356db282d273c59e9c23228fd9ca2237c'),

('17','sed','9af0c0cf95c8767ef235c4b7f3f24bd7baa44038'),

('18','beatae','2d838c0114b30983d38bf798f82a1cf381817d3b'),

('19','quidem','06565b183ef56ddea37a6efdd56e5e2f39aafd5a'),

('20','sint','a3e60d767ff35e6c27deb5e5da61fa5055cb87bb'),

('21','consequatur','03f707039db10e356a5a53c7a2820fd9b1b26b44'),

('22','repellat','675592e7c9efb9f94181e066db94c2850bfcc97e'),

('23','sit','f16d4d3e7b10aab2fb2feb765486d19141b4931a'),

('24','est','9bc6a600333e08e82d1fb6026d6e93e0cc799f38'),

('25','aliquid','6c74004afbd8ba7a4ab30341fcf1415ebb0db3e2'),

('26','recusandae','6478e7917a961ffab1a7ecd2c7a068d7f9d66499'),

('27','modi','0ea309653bb780e680b649c0f63aa0a2538e196d'),

('28','officiis','f79b87a5ff275e5730882d111d10fa3e33dd9ddf'),

('29','in','870e3a76aa1249efe1d62eb415b7868db1c5e832'),

('30','officia','209d77e3ba264ae1924c8c3b60a761f29719c63a'),

('31','et','f86a7053867f787acf4f62d59636f6714f498f63'),

('32','dolores','d0e31596781779144c21e5b06b7aa45c03960d6b'),

('33','dolores','c76cac34a74dcea82e0aa106f78c79105c92d2de'),

('34','ducimus','903b5e053a2781fa470e5c9f729bb933c5d83c51'),

('35','nesciunt','149ee7964a0309d2d13a981cfb54376f7d8ad0b8'),

('36','architecto','056d90613d6a051718d2c3f83aa1a7ff06f4b0c2'),

('37','harum','6fa266f1b87d85a4df0648102dbd3fab880ec69a'),

('38','quidem','dd8296bf0f3e3af9dd0b1d772f93db8ac55c70e2'),

('39','dolor','eeb1fa16e8e8f419e4e33cfab485e3e89d62197e'),

('40','blanditiis','87206f14c19004dc2fc42e0185ff7745e902e153'),

('41','ut','e2715dc0f4d66386dbf2198bc8908ac6502e5715'),

('42','veritatis','0fc6824daa93a4885a5b73a163dd52afa6f0669f'),

('43','ut','07ee0230deb929f06f457fa36497440dd8aa868e'),

('44','tempore','e85e2efe4122a0748b6f9f7457a2f97734c87ab9'),

('45','qui','affee85aafea62e9e4e513eab7271bd79cdecfb8'),

('46','vel','0e8afed9ef76827517ecdba1bb729013871ef9f4'),

('47','assumenda','5d23de8243960d912279f32984d7440e20ced937'),

('48','blanditiis','aaada6b57e1d4ccbe18ef08a9d5dd8473facfa88'),

('49','porro','b5858a5cdeb1101b6f28b26ddc7dceac8553dd4a'),

('50','laborum','d2e1d7b7173384be3361e666ab6789bf962a6078'),

('51','minus','1649a243a409743dc5444bf5ea304ab34c32d313'),

('52','aut','f34e01692eaa73033d8d377f59eef41098477db3'),

('53','est','edfc5a28534fb336188bb0cc0c2142f8ae8d64f9'),

('54','quos','4ca0fec9579819d9bd2ca5e609ab1a477167c24d'),

('55','provident','2d52255759db36bd21e56ef345acb9466cc42944'),

('56','omnis','1977e9c81001e9287537e8b406ef6f12b5cf0882'),

('57','nostrum','89c5a6ce9037940d16d3602f1dff078c382e2c24'),

('58','id','90c3b428e73386c6bd1a15bbd8a16fad585268f0'),

('59','dolore','10a5c48f839ffb317b53bd10a72cedd94fbab897'),

('60','cupiditate','19674e677827abec17730b738d6f3b0c7d58591c'),

('61','at','e414e5c69fef458f8c7fc4be861c994a3d7f1eb1'),

('62','pariatur','43a23c02ff6b03323083debc76d8d57fcc08c666'),

('63','quis','e34b73be7773f0af0d51e0fd68aa7d0d039fc165'),

('64','aut','c59cc3b9a797e45b307244a88a81e55480857bcb'),

('65','eum','b8b276c39b0e87064bf7db334e93451c017dd7da'),

('66','possimus','b6da8fd905cbd9db2fa06a145cc88ed02cceb992'),

('67','rerum','8ced94b4c5c0d851bc6d5e441b51bd01ca965b4e'),

('68','accusantium','8eb83ed5382f36d6ac411a1bd4308bdba857cd0c'),

('69','et','6177cbc9a5ef7f98d708cfaa0c73a0253ff42a27'),

('70','et','9404d79a00641cd43abc76dea3beebc83a47b8ed'),

('71','autem','de622a05f604a22c185aa4b68d6ad9e658a6d477'),

('72','veritatis','4d111e20875fb0942e2767d5ab44b7990bff0e92'),

('73','fuga','7bd8a6d4dcbbf4579c23bade8c1bf7a8c5dbe171'),

('74','ratione','fc0922f14ec2a4f573ea1a3b9831704f690c41d7'),

('75','repellat','ab13579878502fa4515088b8f6ea323e9e4c49ca'),

('76','nihil','6ccea85ddaee1e438e8cca6880768c079e689561'),

('77','est','f39b586d9d241654e7226c83d8062464da22f0de'),

('78','quam','26a3fe41f7fccf2f17408aa4b895360dbc3887c4'),

('79','voluptatum','ff2d9a8cd87b1f072f8f5ff6224977ff390866f7'),

('80','omnis','8f993f3453d89f95eaa0643eb19ffaaa6fcb7e44'),

('81','voluptas','64e583dd479600ee3fe7d1bb80a2a9e80cb70882'),

('82','deleniti','a2fb302e9d584986653da43d9ffe8ba0742572bb'),

('83','cumque','3f5797eee3cc58c185113fea2818a455c11f3934'),

('84','nostrum','bc8e80b596f6f5d8e36a46f715d2551a24a21b68'),

('85','autem','27b1168f92129c0f73a29c452c2c3e6fdcb46dd4'),

('86','et','625851175f3bee2d030aa2618e887fe85e30d0bd'),

('87','ut','af19c6eef2be193e2b6a0a218fcde8c5829f1448'),

('88','libero','aef205b48cafc6a9a54cb143740ce2d4a7581bf4'),

('89','voluptatem','40ecaa22678eb75c6ceb619b8cc022ef40c49638'),

('90','quisquam','69dd2d4344a9deeb623dbc4cd017b530f632d497'),

('91','illum','1e641800132cefea06de8ede3264e3a6fd7f3008'),

('92','magnam','95e1606f8c7af953fe66204b9d45e0673d2d1f8e'),

('93','qui','471e71a06a313fde96e718d320245e5940e4a90d'),

('94','cumque','383d0332cc3a4d46bb6e3245df265459ce21b8c8'),

('95','voluptatem','aa28ed4c66020dcd94d36d67bf4e8c79383d6eae'),

('96','sapiente','9f8089d1e13044122a65de53463be16ab01032f2'),

('97','qui','ac755f42756138a16d31ff065e5c6fb0c2cc2f92'),

('98','dolorem','7119172df28b18a28eb1371cae0a8ec80f2b0348'),

('99','earum','912377fe26dcf130a0fbb714703fb403f61d7430'),

('100','alias','ce5b840637ff7540139f2281261a45a7731c3345');

**DROP** **TABLE** **IF** **EXISTS** `users\_to\_films`;

**CREATE** **TABLE** `users\_to\_films` (

`user\_id` **bigint**(20) **unsigned** **NOT** **NULL**,

`film\_id` **bigint**(20) **unsigned** **NOT** **NULL**,

**KEY** `user\_id` (`user\_id`),

**KEY** `film\_id` (`film\_id`),

**CONSTRAINT** `users\_to\_films\_ibfk\_1` **FOREIGN** **KEY** (`user\_id`) **REFERENCES** `users` (`id`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**,

**CONSTRAINT** `users\_to\_films\_ibfk\_2` **FOREIGN** **KEY** (`film\_id`) **REFERENCES** `films` (`id`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**

) ENGINE=InnoDB **DEFAULT** CHARSET=utf8 **COLLATE**=utf8\_unicode\_ci;

**INSERT** **INTO** `users\_to\_films` **VALUES** ('1','1'),

('2','2'),

('3','3'),

('4','4'),

('5','5'),

('6','6'),

('7','7'),

('8','8'),

('9','9'),

('10','10'),

('11','11'),

('12','12'),

('13','13'),

('14','14'),

('15','15'),

('16','16'),

('17','17'),

('18','18'),

('19','19'),

('20','20'),

('21','21'),

('22','22'),

('23','23'),

('24','24'),

('25','25'),

('26','26'),

('27','27'),

('28','28'),

('29','29'),

('30','30'),

('31','31'),

('32','32'),

('33','33'),

('34','34'),

('35','35'),

('36','36'),

('37','37'),

('38','38'),

('39','39'),

('40','40'),

('41','41'),

('42','42'),

('43','43'),

('44','44'),

('45','45'),

('46','46'),

('47','47'),

('48','48'),

('49','49'),

('50','50'),

('51','51'),

('52','52'),

('53','53'),

('54','54'),

('55','55'),

('56','56'),

('57','57'),

('58','58'),

('59','59'),

('60','60'),

('61','61'),

('62','62'),

('63','63'),

('64','64'),

('65','65'),

('66','66'),

('67','67'),

('68','68'),

('69','69'),

('70','70'),

('71','71'),

('72','72'),

('73','73'),

('74','74'),

('75','75'),

('76','76'),

('77','77'),

('78','78'),

('79','79'),

('80','80'),

('81','81'),

('82','82'),

('83','83'),

('84','84'),

('85','85'),

('86','86'),

('87','87'),

('88','88'),

('89','89'),

('90','90'),

('91','91'),

('92','92'),

('93','93'),

('94','94'),

('95','95'),

('96','96'),

('97','97'),

('98','98'),

('99','99'),

('100','100');

**SELECT** nationality, **COUNT**(\*) **FROM** inf\_about\_users **GROUP** **BY** nationality **ORDER** **BY** nationality;

**SELECT** nationality, **COUNT**(\*) **FROM** actors **GROUP** **BY** nationality **ORDER** **BY** nationality;

**SELECT** nationality, **COUNT**(\*) **FROM** film\_director **GROUP** **BY** nationality **ORDER** **BY** nationality;

**SELECT** 2020 - year\_of\_birth AGE, **COUNT**(\*) **FROM** inf\_about\_users **GROUP** **BY** year\_of\_birth **ORDER** **BY** year\_of\_birth;

**DROP** **VIEW** **IF** **EXISTS** movies;

**CREATE** **VIEW** movies **AS**

**SELECT**

films.name NAME,

fc.years YEARS,

fc.budget BUDGET,

**CONCAT**(dir.firstname, ' ', dir.lastname) DIRECTOR,

**CONCAT**(actors.firstname, ' ', actors.lastname) ACTOR,

rating.stars STARS,

company.name COMPANY

**FROM** films

**JOIN** film\_characteristics fc **ON** fc.film\_id = films.id

**JOIN** rating **ON** rating.rating\_id = films.id

**JOIN** company **ON** company.company\_id = films.id

**JOIN** directors\_to\_films dtf **ON** dtf.film\_id = films.id

**JOIN** film\_director dir **ON** dir.id = dtf.director\_id

**JOIN** actors\_to\_films atf **ON** atf.film\_id = films.id

**JOIN** actors **ON** actors.id = atf.actor\_id

**WHERE** films.is\_series = 'n';

**DROP** **VIEW** **IF** **EXISTS** series;

**CREATE** **VIEW** series **AS**

**SELECT**

films.name NAME,

fc.years YEARS,

fc.budget BUDGET,

**CONCAT**(dir.firstname, ' ', dir.lastname) DIRECTOR,

**CONCAT**(actors.firstname, ' ', actors.lastname) ACTOR,

rating.stars STARS,

company.name COMPANY

**FROM** films

**JOIN** film\_characteristics fc **ON** fc.film\_id = films.id

**JOIN** rating **ON** rating.rating\_id = films.id

**JOIN** company **ON** company.company\_id = films.id

**JOIN** directors\_to\_films dtf **ON** dtf.film\_id = films.id

**JOIN** film\_director dir **ON** dir.id = dtf.director\_id

**JOIN** actors\_to\_films atf **ON** atf.film\_id = films.id

**JOIN** actors **ON** actors.id = atf.actor\_id

**WHERE** films.is\_series = 'y';

**DROP** **VIEW** **IF** **EXISTS** users\_info;

**CREATE** **VIEW** users\_info **AS**

**SELECT**

users.users\_log LOGIN,

**CONCAT** (inf\_about\_users.firstname,' ',inf\_about\_users.lastname) PERSON,

inf\_about\_users.country COUNTRY,

inf\_about\_users.year\_of\_birth `YEAR OF BIRTH`,

inf\_about\_users.nationality NATIONALITY

**FROM** users

**JOIN** inf\_about\_users **ON** inf\_about\_users.inf\_about\_users\_id = users.id;

**DELIMITER //**

**DROP** **PROCEDURE** **IF** **EXISTS** number\_of\_good\_films//

**CREATE** **PROCEDURE** number\_of\_good\_films(**INOUT** value **INT**)

**BEGIN**

**SELECT** **COUNT**(\*) **INTO** value **FROM** movies **WHERE** stars >= value;

**END**//

**SET** @**number** = 5//

**CALL** number\_of\_good\_films(@**number**)//

**SELECT** @**number**//

**DROP** **PROCEDURE** **IF** **EXISTS** number\_of\_bad\_series//

**CREATE** **PROCEDURE** number\_of\_bad\_series (**INOUT** value **INT**)

**BEGIN**

**SELECT** **COUNT**(\*) **INTO** value **FROM** series **WHERE** stars <= value;

**END**//

**SET** @**number** = 5//

**CALL** number\_of\_bad\_series(@**number**)//

**SELECT** @**number**//

**DELIMITER ;**

/\*!40101 SET SQL\_MODE=@OLD\_SQL\_MODE \*/;

/\*!40014 SET FOREIGN\_KEY\_CHECKS=@OLD\_FOREIGN\_KEY\_CHECKS \*/;

/\*!40014 SET UNIQUE\_CHECKS=@OLD\_UNIQUE\_CHECKS \*/;

/\*!40101 SET CHARACTER\_SET\_CLIENT=@OLD\_CHARACTER\_SET\_CLIENT \*/;

/\*!40101 SET CHARACTER\_SET\_RESULTS=@OLD\_CHARACTER\_SET\_RESULTS \*/;

/\*!40101 SET COLLATION\_CONNECTION=@OLD\_COLLATION\_CONNECTION \*/;

/\*!40111 SET SQL\_NOTES=@OLD\_SQL\_NOTES \*/;