My Sql task

IMDB Design a DB for IMDB

1. Movie should have multiple media(Video or Image)

2. Movie can belongs to multiple Genre

3. Movie can have multiple reviews and Review can belongs to a user

4. Artist can have multiple skills

5. Artist can perform multiple role in a single film

SOLUTION:

-- create database imdb

-- use imdb

-- CREATE TABLE Movies (

-- movie\_id VARCHAR(255) NOT NULL,

-- movie\_title VARCHAR(255) NOT NULL,

-- movie\_year int NOT NULL,

-- movie\_lang varchar(255),

-- PRIMARY KEY (movie\_id)

-- );

-- ALTER TABLE Movies

-- DROP COLUMN movie\_lang;

-- INSERT INTO `imdb`.`Movies` (`movie\_id`, `movie\_title`, `movie\_year`) VALUES ('101', 'ENTHIRAN', '2010');

-- CREATE TABLE Genres (

-- id int not null auto\_increment,

-- movie\_id VARCHAR(255) NOT NULL,

-- movie\_genre varchar(255),

-- PRIMARY KEY (id),

-- FOREIGN KEY (movie\_id) REFERENCES Movies(movie\_id)

-- );

-- MySQL Workbench Forward Engineering

SET @OLD\_UNIQUE\_CHECKS=@@UNIQUE\_CHECKS, UNIQUE\_CHECKS=0;

SET @OLD\_FOREIGN\_KEY\_CHECKS=@@FOREIGN\_KEY\_CHECKS, FOREIGN\_KEY\_CHECKS=0;

SET @OLD\_SQL\_MODE=@@SQL\_MODE, SQL\_MODE='ONLY\_FULL\_GROUP\_BY,STRICT\_TRANS\_TABLES,NO\_ZERO\_IN\_DATE,NO\_ZERO\_DATE,ERROR\_FOR\_DIVISION\_BY\_ZERO,NO\_ENGINE\_SUBSTITUTION';

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-- Schema mydb

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-- Schema imdb

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-- Schema imdb

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CREATE SCHEMA IF NOT EXISTS `imdb` DEFAULT CHARACTER SET utf8mb4 COLLATE utf8mb4\_0900\_ai\_ci ;

USE `imdb` ;

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-- Table `imdb`.`movies`

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CREATE TABLE IF NOT EXISTS `imdb`.`movies` (

`movie\_id` VARCHAR(255) NOT NULL,

`movie\_title` VARCHAR(255) NOT NULL,

`movie\_year` INT NOT NULL,

PRIMARY KEY (`movie\_id`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

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-- Table `imdb`.`genres`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `imdb`.`genres` (

`id` INT NOT NULL AUTO\_INCREMENT,

`movie\_id` VARCHAR(255) NOT NULL,

`movie\_genre` VARCHAR(255) NULL DEFAULT NULL,

PRIMARY KEY (`id`),

INDEX `movie\_id` (`movie\_id` ASC) VISIBLE,

CONSTRAINT `genres\_ibfk\_1`

FOREIGN KEY (`movie\_id`)

REFERENCES `imdb`.`movies` (`movie\_id`))

ENGINE = InnoDB

AUTO\_INCREMENT = 2

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

SET SQL\_MODE=@OLD\_SQL\_MODE;

SET FOREIGN\_KEY\_CHECKS=@OLD\_FOREIGN\_KEY\_CHECKS;

SET UNIQUE\_CHECKS=@OLD\_UNIQUE\_CHECKS;

