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4J

DBS Assignment #1

(a)

Create Table Movie {

movieId int PRIMARY KEY
title varchar(100) NOT NULL
rating NOT NULL
releaseYear int NOT NULL
directorId int NOT NULL

};

Create Table Director {

directorID int NOT NULL
firstName varchar(100) NOT NULL
lastName varchar(100) NOT NULL
PRIMARY KEY (directorID)

};

Create Table Actor {

actorID int NOT NULL
FirstName varchar(100) NOT NULL
LastName varchar(100) NOT NULL
PRIMARY KEY (actorID)

};

Create Table MovieActor {

actorId int NOT NULL
movieId int NOT NULL
PRIMARY KEY (movieId)

};

(b)

- 1) Alter Table Movie Add Constraint FK-director
Foreign Key (directorId) Reference Director ---
(directorId)

On Delete Cascade;

- 2) Alter Table MovieActor
Add Constraint FK-movie-movieactor
Foreign Key (movieId) References Movie (movieId)
ON Update Cascade;

- 3) Alter Table MovieActor
Add Constraint FK-actor-movieactor
Foreign Key (actorId) References Actor (actorId)
On Update Cascade;

(C)

- 1) Alter Table Actor Add Column date_of_birth DATE;
- 2) Alter Table Movie Add Constraint unique-title
Unique (title);
- 3) Alter Table Movie Add Constraint rating-limit
check (rating <= 5);
- 4) Alter Table Director
Modify column FirstName varchar(100) NOT NULL
Modify column LastName varchar(100) NOT NULL