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CMPT 308

Alan Labouseur

LAB 8 Normalization 2

DROP TABLE IF EXISTS actors;

DROP TABLE IF EXISTS movies;

DROP TABLE IF EXISTS director;

DROP TABLE IF EXISTS people;

-- people --

CREATE TABLE people(

pid integer not null,

aid integer,

did integer,

name text,

address text,

primary key(pid)

);

-- actors --

CREATE TABLE actors(

aid integer not null,

pid integer not null references people(pid),

did integer,

birthDate integer,

hairColor text,

eyeColor text,

height integer not null,

weight integer not null,

anniversaryDate integer,

primary key(aid)

);

-- movies --

CREATE TABLE movies(

mid integer not null,

actor\_ text not null,

director\_ text not null,

name text,

year integer,

domestic\_sales integer,

foreign\_sales integer,

disk\_sales integer,

primary key(mid)

);

-- director --

CREATE TABLE director(

did integer not null,

pid integer not null references people(pid),

aid integer,

school text,

anniversaryDate integer,

primary key(did)

);

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-- People --

INSERT INTO People( pid, name, address )

VALUES('01', 'Sean Connery', '007 Bond Ave');

INSERT INTO People( pid, name, address )

VALUES('02', 'Matt Damon', '1337 BadAss St');

INSERT INTO People( pid, name, address )

VALUES('03', 'Steven Spielberg', '69 Winning Ln');

INSERT INTO People( pid, name, address )

VALUES('04', 'Doug Liman', '101 Who Rd');

-- Actors --

INSERT INTO Actors( aid, pid, birthDate, hairColor, eyeColor, height, weight, anniversaryDate )

VALUES('01', '01', 1930-8-25, 'White', 'Brown', 74, 180, 1954);

INSERT INTO Actors( aid, pid, birthDate, hairColor, eyeColor, height, weight, anniversaryDate )

VALUES('02', '02', 1970-10-8, 'Brown', 'Blue', 70, 187, 1988);

-- Movies --

INSERT INTO Movies( mid, actor\_, director\_, name, year, domestic\_sales, foreign\_sales, disk\_sales )

VALUES('01', 'Sean Connery', 'Steven Spielberg', 'Indiana Jones and the Last Crusade', 1989, 200000000, 150000000, 90000000 );

INSERT INTO Movies( mid, actor\_, director\_, name, year, domestic\_sales, foreign\_sales, disk\_sales )

VALUES('02', 'Matt Damon', 'Doug Liman', 'The Bourne Identity', 2002, 100000000, 176000000, 115000000 );

-- Director --

INSERT INTO Director ( did, pid, school, anniversaryDate )

VALUES('01', '03', 'Yale', 1971);

INSERT INTO Director ( did, pid, school, anniversaryDate )

VALUES('02', '04', 'Brown University', 1993);

-- all non primary key columns are individualy dependent on the primary key per table --

SELECT \*

FROM Director

WHERE aid IN

(SELECT aid

FROM People

WHERE name = 'Sean Connery');

ER DIAGRAM

