

Tom Morse

Normalization 2

PART 1 at end

--PART 2

DROP TABLE IF EXISTS actorspersonalinfo;

CREATE TABLE actorspersonalinfo (

apid CHAR (5) NOT NULL,

haircolor CHAR (20) NOT NULL,

eyecolor CHAR (20) NOT NULL,

height CHAR (10) NOT NULL,

weight CHAR (10) NOT NULL,

PRIMARY KEY (apid));

DROP TABLE IF EXISTS actorbios;

create table actorbios (

abid CHAR (5) NOT NULL,

actorname CHAR (20) NOT NULL,

address CHAR (50) NOT NULL,

birth\_date CHAR (30) NOT NULL,

aguild\_date CHAR (30) NOT NULL,

PRIMARY KEY (abid));

DROP TABLE IF EXISTS actors;

create table actors (

aid CHAR (5) NOT NULL,

PRIMARY KEY (aid),

apid CHAR (5) REFERENCES actorspersonalinfo(apid),

abid CHAR (5) REFERENCES actorbios(abid));

DROP TABLE IF EXISTS directorbios;

create table directorbios (

dbid CHAR (5) NOT NULL,

directorname CHAR (20) NOT NULL,

address CHAR (50) NOT NULL,

PRIMARY KEY (dbid));

DROP TABLE IF EXISTS directorskills;

create table directorskills (

dsid CHAR (5) NOT NULL,

filmschoolname CHAR (30) NOT NULL,

dguild\_date CHAR (30) NOT NULL,

PRIMARY KEY (dsid));

DROP TABLE IF EXISTS directors;

create table directors (

did CHAR (5) NOT NULL,

PRIMARY KEY (did),

dbid CHAR (5) REFERENCES directorbios(dbid),

dsid CHAR (5) REFERENCES directorskills(dsid));

DROP TABLE IF EXISTS moviedata;

create table moviedata (

mdid CHAR (5) NOT NULL,

moviename CHAR (30) NOT NULL,

release\_date INTEGER NOT NULL,

PRIMARY KEY (mdid));

DROP TABLE IF EXISTS moviesales;

create table moviesales (

msid CHAR (5) NOT NULL,

bluraysales CHAR (30) NOT NULL,

dvdsales CHAR (30) NOT NULL,

forgeinbo CHAR (30) NOT NULL,

demesticbo CHAR (30) NOT NULL,

PRIMARY KEY (msid));

```
DROP TABLE IF EXISTS movies;
```

```
create table movies (
```

```
    mid CHAR (5) NOT NULL,
```

```
    PRIMARY KEY (mid),
```

```
    mdid CHAR (5) REFERENCES moviedata(mdid),
```

```
    msid CHAR (5) REFERENCES moviesales(msid));
```

```
DROP TABLE IF EXISTS inmovies;
```

```
create table inmovies (
```

```
    mid CHAR (5) REFERENCES movies(mid),
```

```
    did CHAR (5) REFERENCES directors(did),
```

```
    aid CHAR (5) REFERENCES actors(aid),
```

```
    PRIMARY KEY (mid, did, aid));
```

```
--PART 3
```

```
insert into actorspersonalinfo (apid, haircolor, eyecolor, height, weight)
```

```
values('a01', 'black', 'brown', '68', '184'),
```

```
    ('a02', 'black', 'brown', '75.5', '192'),
```

```
    ('a03', 'White', 'green', '74.5', '168');
```

```
insert into actorbios (abid, actorname, address, birth_date, aguild_date)
```

```
values('a001', 'Mark wahlberg', 'Dorchester, Boston, Massachusetts, USA', '1971:06:05 00:00:00',  
'1991:10:24 00:00:00'),
```

```
    ('a002', 'Ben Affleck', 'Berkeley, CA', '1972:08:15 00:00:00', '1984:07:23 00:00:00'),
```

```
    ('a003', 'Sean Connery', 'Edinburgh, Scotland, UK ', '1930:08:25 00:00:00', '1957:03:18 00:00:00');
```

```
insert into actors (aid, apid, abid)
```

```
values('a1', 'a01', 'a001'),
```

```
      ('a2', 'a02', 'a002'),
```

```
      ('a3', 'a03', 'a003');
```

```
insert into directorbios (dbid, directorname, address)
```

```
values('d01', 'Antoine Fuqua', '304 Park Avenue South New York NY 10010'),
```

```
      ('d02', 'Ben Affleck', 'Berkeley, CA'),
```

```
      ('d03', 'Michael Bay', 'Los Angeles, California, USA');
```

```
insert into directorskills (dsid, filmschoolname, dguild_date)
```

```
values('d001', 'West Virginia University', '1997:08:23 00:00:00'),
```

```
      ('d002', 'New York School of acting', '1995:11:12 00:00:00'),
```

```
      ('d003', 'Wesleyan University', '1995:05:14 00:00:00');
```

```
insert into directors (did, dbid, dsid)
```

```
values('d1', 'd01', 'd001'),
```

```
      ('d2', 'd02', 'd003'),
```

```
      ('d3', 'd03', 'd003');
```

```
insert into moviedata (mdid, moviename, release_date)
```

```
values('m01', 'Shooter', '2007'),
```

```
      ('m02', 'The Town', '2010'),
```

```
      ('m03', 'The Rock', '1996');
```

```

insert into moviesales (msid, bluraysales, dvdsales, forgeinbo, demesticbo)
values('m001', '3,494,324', '5,284,842', '10,167,725', '44,975,183'),
      ('m002', '4,635,937', '8,732,658', '13,983,092', '51,734,283'),
      ('m003', '6,745,194', '945,834', '9,743,372', '36,843,932');

```

```

insert into movies (mid, mdid, msid)
values('m1', 'm01', 'm001'),
      ('m2', 'm02', 'm002'),
      ('m3', 'm03', 'm003');

```

```

insert into inmovies (mid, did, aid)
values('m1', 'd1', 'a1'),
      ('m2', 'd2', 'a2'),
      ('m3', 'd3', 'a3');

```

#### --PART 4

Movie_name and releaseyear_date	DEPENDs	mdid
Blu-ray, dvd, foreign and domestic	DEPENDs	msid
Mdid and msid	DEPENDs	mid
Actor_name, address, birth date and guild	DEPENDs	abid
Hair, eye, height and weight	DEPENDs	Apid
Abid and apid	DEPENDs	Aid
Director_name and address	DEPENDs	Dbid
Guild and film school	DEPENDs	Dsid
Dbid and dsid	DEPENDs	Did
Mid, aid and did	DEPENDs	Mid, aid, and did

--PART 5

SELECT DISTINCT

c.directorname

FROM

actors a, actorbios b, directorbios c, directors d, inmovies m

WHERE

c.dbid = d.dbid

AND

d.did = m.did

AND

m.aid = a.aid

AND

a.abid = b.abid

AND

b.actorname = 'Sean Connery'

--PART 1

