QUESTION 1:

Persons

PK: -pid
FK: -aid
FK: -did

-name
-address

Directors

PK: -did
FK: -aid
FK: -pid

-film_school
-directors_guild_year

Actors

PK: -aid
FK: -did
FK: -pid

-birthdate
-hair_color
-eye_color
-height_inches
-weight_lbs
-screen_actors_guild_year

Movies

PK: -mid

-name
-main_actor
-main_director
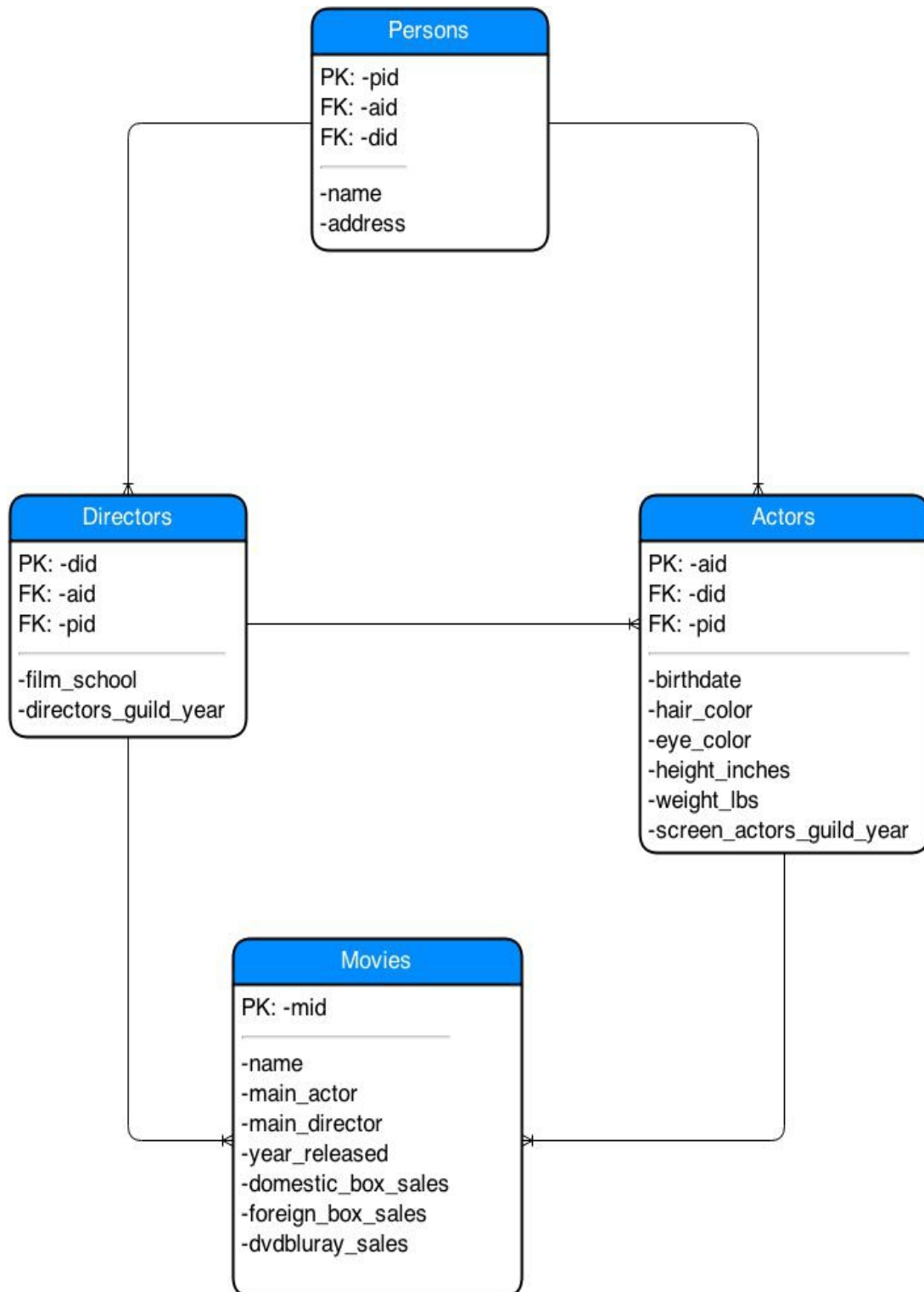-year_released
-domestic_box_sales
-foreign_box_sales
-dvdbluray_sales

```sql
DROP TABLE IF EXISTS Actors;
DROP TABLE IF EXISTS Movies;
DROP TABLE IF EXISTS Directors;
DROP TABLE IF EXISTS Persons;

--QUESTION 2:
-- Persons --
CREATE TABLE Persons (
  pid                       serial,
  aid                       int,
  did                       int,
  name                      text not null,
  address             text not null,
  primary key(pid)
);

-- Movies --
CREATE TABLE Movies (
  mid                 serial,
  name                      text not null,
  main_actor                text not null,
  main_director             text not null,
  year_released             int not null,
  domestic_box_sales        int,
  foreign_box_sales         int,
  dvdblueray_sales          int,
  primary key (mid)
);

-- Directors --
CREATE TABLE Directors (
  did                       serial references Persons(pid),
  film_school               text,
  directors_guild_year      int not null,
  primary key (did)
);

-- Actors --
CREATE TABLE Actors (
  aid                 serial references Persons(pid),
  birthdate                 date not null,
  hair_color                text not null,
  eye_color                 text not null,
  height_inches       int not null,
  weight_lbs                int not null,
  screen_actors_guild_year  int not null,
  primary key (aid)
);


--QUESTION 3
--Insert Persons
INSERT INTO Persons (name, address)
VALUES ('James Cameron', '15 Hollywood Ln'),
('David Fincher','7 Alien Rd'),
('Sean Connery', '007 Bestbond Ln'),
('Brad Pitt', '50 Troy St');
```

```sql
--Insert Directors
--James Cameron, David Fincher
INSERT INTO Directors(film_school, directors_guild_year)
  VALUES ('Fullerton College', '1976'),
  (null, '1985');

-- Actors --
--Sean Connery,Brad Pitt
INSERT INTO Actors( birthdate, hair_color, eye_color, height_inches, weight_lbs, screen_actors_guild_year )
  VALUES('1930-08-25', 'brown', 'brown', 74, 180, 1954),
  ('1963-12-18', 'blonde', 'blue', 71, 155, 1987);

-- Movies --
INSERT INTO Movies( name, main_actor, main_director, year_released, domestic_box_sales, foreign_box_sales,
dvdblueray_sales )
  VALUES('Fight Club', 'Brad Pitt', 'David Fincher', 1999, 37030102, 63823651, 5000000 ),
  ('Diamonds Are Forever', 'Sean Connery', 'Guy Hamilton', 1971, 43800000, 72200000, 5000000 );

--QUESTION 4:
--Every column, that is not a primary key, is purely dependent on the primary key within its table.

--QUESTION 5:
SELECT Movies.main_director FROM Movies
WHERE  Movies.main_actor = 'Sean Connery';
```