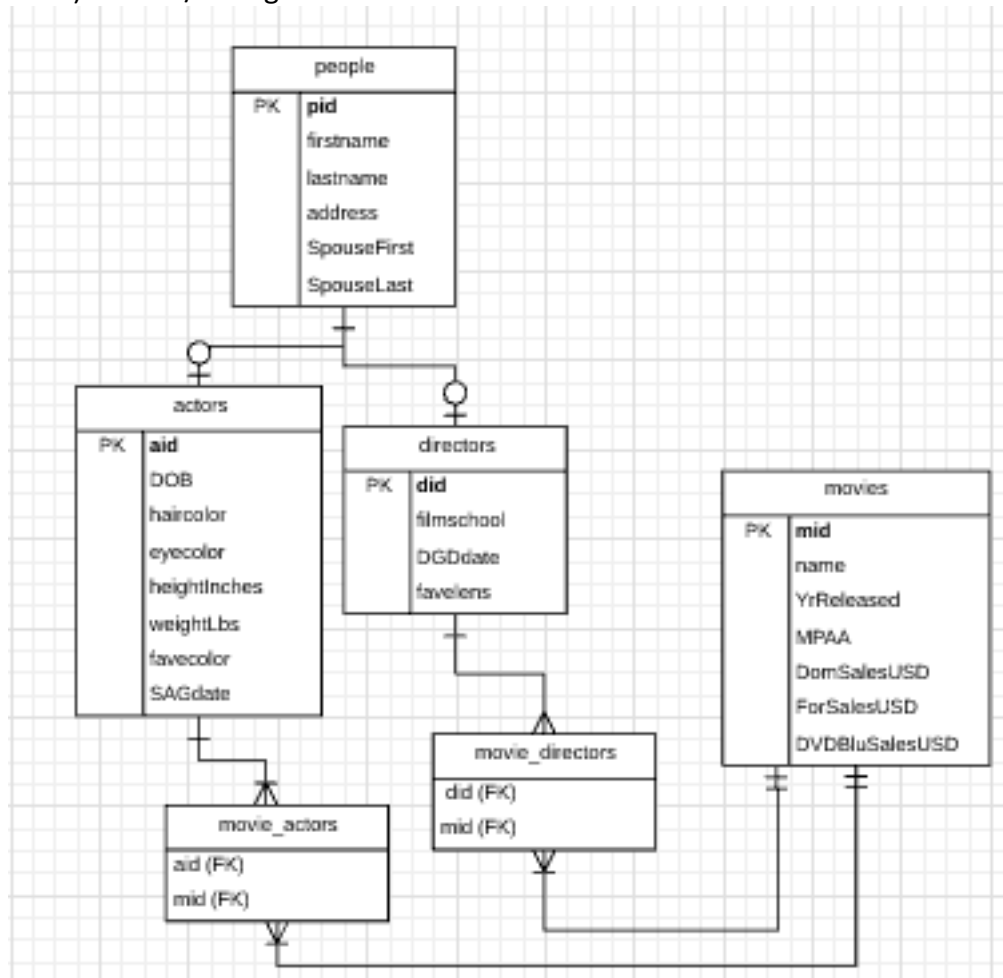


1) EON E/R Diagram:



2) SQL create statements:

```

CREATE TABLE people (
  pid INT NOT NULL,
  first_name VARCHAR(20) NOT NULL,
  last_name VARCHAR(20) NOT NULL,
  address VARCHAR(50),
  spouse_first VARCHAR(20),
  spouse_last VARCHAR(20),
  primary key(pid)
);

CREATE TABLE actors (
  aid INT NOT NULL references people(pid),

```

```

DOB DATE,
haircolor VARCHAR(20),
eyecolor VARCHAR(20),
heightINCH INT,
weightLBS INT,
favecolor VARCHAR(20),
SAGDate DATE,
primary key(aid)
);

```

```

CREATE TABLE directors (
  did INT PRIMARY KEY NOT NULL references people(pid),
  filmschool VARCHAR(50),
  DGADate DATE,
  favelens VARCHAR(50)
);

```

```

CREATE TABLE movies (
  mid INT NOT NULL,
  movie_name VARCHAR(50),
  year_released INT,
  DomSalesUSD INT,
  ForSalesUSD INT,
  DVD_BlueSalesUSD INT,
  primary key(mid)
);

```

```

CREATE TABLE movie_actors (
  aid INT references people(pid),
  mid INT references movies(mid)
);

```

```

CREATE TABLE movie_directors (
  did INT references people(pid),
  mid INT references movies(mid)
);

```

3) Functional dependencies:

Pid → first_name, last_name, address, spouse_first, spouse_last

Aid → DOB, haircolor, eyecolor, heightINCH, weightLBS, SAGDate

Did → filmschool, DGADate, favelens

mid → movie_name, year_released, DomSalesUSD, ForSalesUSD, DVD_BlueSalesUSD

{aid, mid}

{did, mid}

4) Sean Connery query:

```
select distinct people.*
```

```
from people, movies, directors, movie_directors
```

```
where people.pid = directors.did
```

```
and movie_directors.mid = movies.mid
```

```
and movie_directors.mid IN (SELECT distinct movies.mid
```

```
FROM people, movie_actors, movies, actors
```

```
where people.first_name = 'Sean'
```

```
and people.last_name = 'Connery'
```

```
and actors.aid = movie_actors.aid
```

```
);
```