

```

--Create Statements
drop table if exists actors;
create table if not exists actors
(
aid                serial    not null primary key,
actor              text      not null,
address            text      not null,
birthdate          date      not null,
hair_color         text      not null,
eye_color          text      not null,
height_inches      text      not null,
weight_lbs         text      not null,
screen_actors_guild_anniversary_date date  not null
);

```

```

drop table if exists directors;
create table if not exists directors
(
did                serial    not null primary key,
director           text      not null,
address            text      not null,
film_school_attended text    not null,
directors_guild_anniversary_date date  not null
);

```

```

drop table if exists movies;
create table if not exists movies
(
mid                serial    not null primary key,
movie_name         text      not null,
year_released      text      not null,
domestic_box_office_salesUSD money  not null,
foreign_box_office_salesUSD money  not null,
dvd_bluray_salesUSD money    not null
);

```

```

drop table if exists actors_movies;
create table if not exists actors_movies
(
amid              serial    not null primary key,
aid              int       not null references actors(aid),
did              int       not null references directors(did),
mid              int       not null references movies(mid),
movie_name       text      not null,
year_released    text      not null,
starring_actor   text      not null,
director         text      not null
);

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```

drop table if exists directors_movies;
create table if not exists directors_movies
(
dmid              serial    not null primary key,
mid              int       not null references movies(mid),

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did            int    not null references directors(did),
movie_name     text    not null,
year_released  text    not null,
director       text    not null
);

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```
--Insert Statements
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```
--Actors Table
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insert into actors(actor, address, birthdate, hair_color, eye_color,
height_inches, weight_lbs, screen_actors_guild_anniversary_date)
    values ('Sir Thomas Sean Connery' , '123 Banter Lane' , 'August 25,
1930', 'Gray', 'Brown', '6-2', '200', '02-12-1994');
insert into actors(actor, address, birthdate, hair_color, eye_color,
height_inches, weight_lbs, screen_actors_guild_anniversary_date)
    values ('Christian Bale' , '736 Gale Lane', 'January 30, 1974',
'Brown', 'Brown', '6-0', '190', '03-23-2010');
insert into actors(actor, address, birthdate, hair_color, eye_color,
height_inches, weight_lbs, screen_actors_guild_anniversary_date)
    values ('Henry Cavill' , '6354 Sunset Drive', 'May 5, 1983',
'Hazel', 'Brown', '6-1', '202', '08-31-2011');
insert into actors(actor, address, birthdate, hair_color, eye_color,
height_inches, weight_lbs, screen_actors_guild_anniversary_date)
    values ('Andrew Garfield' , '737 Heisenburg Lane', 'August 20,
1983', 'Brown', 'Brown', '5-10', '137', '12-02-2012');
insert into actors(actor, address, birthdate, hair_color, eye_color,
height_inches, weight_lbs, screen_actors_guild_anniversary_date)
    values ('Ryan Rodney Reynolds' , '32 Cambridge Lane', 'October 23,
1976', 'Brown', 'Brown', '6-2', '200', '11-08-2013');

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--Directors Table
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insert into directors(director, address, film_school_attended,
directors_guild_anniversary_date)
    values ('Shaun Terence Young' , '52 Augusta Drive', 'St Catharines
College, Cambridge', '01-11-1982' );
insert into directors(director, address, film_school_attended,
directors_guild_anniversary_date)
    values ('Guy Hamilton' , '904 Geneva Lane' , 'In the Military',
'05-19-1988');
insert into directors(director, address, film_school_attended,
directors_guild_anniversary_date)
    values ('Lewis Gilbert' , '676 Spider Drive', 'In The Military',
'09-10-1992');
insert into directors(director, address, film_school_attended,
directors_guild_anniversary_date)
    values ('Christopher Nolan' , '776 Oakfield Drive', 'In The
Military', '09-10-1992');
insert into directors(director, address, film_school_attended,
directors_guild_anniversary_date)
    values ('Marc Webb' , '848 Maple Drive', 'In The Military', '09-10-
1992');
insert into directors(director, address, film_school_attended,
directors_guild_anniversary_date)

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        values ('Martin Campbell' , '987 Cherry Drive', 'In The Military',
'09-10-1992');
```

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--Movies Table
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insert into movies(movie_name, year_released,
domestic_box_office_salesUSD, foreign_box_office_salesUSD,
dvd_bluray_salesUSD)
    values ('From Russia With Love', '1963', 24800000, 54100000,
10000000000);
insert into movies(movie_name, year_released,
domestic_box_office_salesUSD, foreign_box_office_salesUSD,
dvd_bluray_salesUSD)
    values ('The Dark Knight', '2008', 533345358, 469546000,
262543772);
insert into movies(movie_name, year_released,
domestic_box_office_salesUSD, foreign_box_office_salesUSD,
dvd_bluray_salesUSD)
    values ('Man of Steel', '2013', 291045518, 367000000, 37837475);
insert into movies(movie_name, year_released,
domestic_box_office_salesUSD, foreign_box_office_salesUSD,
dvd_bluray_salesUSD)
    values ('The Amazing Spider Man', '2012', 262030663, 495859604,
34783640);
insert into movies(movie_name, year_released,
domestic_box_office_salesUSD, foreign_box_office_salesUSD,
dvd_bluray_salesUSD)
    values ('The Green Lantern', '2011', 116601172, 114600000,
19644793);
insert into movies(movie_name, year_released,
domestic_box_office_salesUSD, foreign_box_office_salesUSD,
dvd_bluray_salesUSD)
    values ('You Only Live Twice', '1967', 273263726, 9239482,
823718982);
insert into movies(movie_name, year_released,
domestic_box_office_salesUSD, foreign_box_office_salesUSD,
dvd_bluray_salesUSD)
    values ('Goldfinger', '1964', 93819282, 839849289, 123712388);
```

```
--Actors Movies Table
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```
insert into actors_movies(aid, did, mid, movie_name, year_released,
starring_actor, director)
    values('1','3','6','You Only Live Twice', '1967', 'Sir Thomas Sean
Connery', 'Lewis Gilbert');
insert into actors_movies(aid, did, mid, movie_name, year_released,
starring_actor, director)
    values('1','2','7','Goldfinger', '1964', 'Sir Thomas Sean Connery',
'Guy Hamilton');
insert into actors_movies(aid, did, mid, movie_name, year_released,
starring_actor, director)
    values('1','1','1','From Russia With Love', '1963', 'Sir Thomas
Sean Connery', 'Shaun Terence Young');
insert into actors_movies(aid, did, mid, movie_name, year_released,
starring_actor, director)
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        values('2','4','2','The Dark Knight', '2008', 'Christian Bale',
'Christopher Nolan');
insert into actors_movies(aid, did, mid, movie_name, year_released,
starring_actor, director)
        values('3','4','3','Man of Steel', '2013', 'Henry Cavill',
'Christopher Nolan');
insert into actors_movies(aid, did, mid, movie_name, year_released,
starring_actor, director)
        values('4','5','4','The Amazing Spider Man', '2012', 'Andrew
Garfield', 'Marc Webb');
insert into actors_movies(aid, did, mid, movie_name, year_released,
starring_actor, director)
        values('5','6','5','The Green Lantern', '2011', 'Ryan Reynolds',
'Martin Campbell');

```

--Directors Movies Table

```

insert into directors_movies(mid, did, movie_name, year_released,
director)
        values('6','3','You Only Live Twice', '1967', 'Lewis Gilbert');
insert into directors_movies(mid, did, movie_name, year_released,
director)
        values('7','2','Goldfinger', '1964', 'Guy Hamilton');
insert into directors_movies(mid, did, movie_name, year_released,
director)
        values('1','1','From Russia With Love', '1963', 'Shaun Terence
Young');
insert into directors_movies(mid, did, movie_name, year_released,
director)
        values('2','4','The Dark Knight', '2008', 'Christopher Nolan');
insert into directors_movies(mid, did, movie_name, year_released,
director)
        values('3','4','Man of Steel', '2013', 'Christopher Nolan');
insert into directors_movies(mid, did, movie_name, year_released,
director)
        values('4','5','The Amazing Spider Man', '2012', 'Marc Webb');
insert into directors_movies(mid, did, movie_name, year_released,
director)
        values('5','6','The Green Lantern', '2011', 'Martin Campbell');

```

--Functional Dependencies

```

aid    → actor, address, birthdate, hair_color, eye_color,
height_inches, weight_lbs, screen_actors_guild_anniversary_date

```

```

did    → director, address, film_school_attended,
directors_guild_anniversary_date

```

```

mid    → movie_name, year_released, domestic_box_office_salesUSD,
foreign_box_office_salesUSD, dvd_bluray_salesUSD

```

```

amid →aid, did, mid, movie_name, year_released, starring_actor, director
dmid →mid, did, movie_name, year_released, director

```

```
--Query to find the directors
select director
from actors_movies am
where am.starring_actor = 'Sir Thomas Sean Connery'
```