## Brenden Bishop Normalization HW #2

## Part I:

## ACTORS

Name	ad	dress	dob	hair_color	eye_color	height	weight	act_guild_dat
Sean Conne	erv Edi	inburgh, Scotland	10/25/1930	gray	brown		220 lbs	none
Daniel Crai		eshire, England	3/2/1968	brown	blue	70 inches		none
Al Pacino	_	w York, USA	4/25/1940	brown	brown		s 165 lbs	2011, 2004
m r demo	110	W 101K, 0011	1/23/1710	DIOWII	brown	or menes	105165	2011, 2001
			M	OVIES				
No.					£l-		J	dl
Name		year_release			_		dvd_sales	
	nderball		63,600,000		77,600,000		unknown	
Goldfinger		1964	51,100,000		73,800,000		unknown	
IIIIron	Man	2008	318,	,604,126	263,8	339,000	17	4,949,094
			DI	RECTORS				
Ι,	Nam	ne	address		film_school		dir_guild_date	
		nce Young	Shangai, Chi		none		none	,
		avreau	New York, U		Queens Colle		none	
		cis Coppola	Michigan, U		Hofstra Univ	_	none	
	Tran	сіз сорроіц	Michigan, O.	571	noistra oniv	croicy	none	
	Actors-Movies							
					]			
		Actor_name		e_name				
		Sean Connery	Goldfi	_				
		Sean Connery	Dr. No					
		Pierce Brosnan	Goldei	nEye				
1 1		Daniel Craig	Casino	o Royale				
1 1		Movies-Dire	ctors		_			
	-	Movie_name	dir_na	ame				
	1	Iron Man	Jon Fa					
		Goldfinger	,	amilton				
		The Godfather		is Coppola				
		Casino Royale		n Campbell				
	L	Casillo Royale	Maitii	i Callipbell				
Į								
	_	Actors-Direc	tors					
	-	Actor_name	dir_na	ame				
	1	Sean Connery	<del>-</del>	ce Young				
		Sean Connery		en Norringt	on			
		Robert Downey		_	~			
				is Coppola				
		Al Pacino	Franci	is coppoia				

```
Part II:
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```
--- Actors ---
drop table if exists actors;
create table actors(
                     int not null serial,
       aid
      name
                     text not null,
       address
                            text.
       dob
                     timestamp not null,
      hair color
                     varchar(20),
       eye_color
                     varchar(20),
      height
                     varchar(10),
      weight
                     varchar(10),
       act_guild_date
                            text,
primary key(aid);
--- Movies ---
drop table if exists movies;
create table movies(
      mid
                            int not null serial,
                            text not null,
      name
      year released
                            year not null,
       dombox_sales_USD money,
       forbox_sales_USD
                            money,
       dvd_sales_USD
                                   money,
primary key(mid);
--- Directors ---
drop table if exists directors;
create table directors(
       did
                     int not null serial,
       name
                     text not null,
       address
                            text.
       film school
                    text,
       dir_guild_date
                            timestamp,
primary key(did);
--- Actors in the movies ---
drop table if exists actor_movie;
create table actor_movie(
       actor_name text not null references actors.name,
       movie name text not null references movies.name,
primary key(actor_name, movie_name)
);
--- Movies with their directors ---
```

```
drop table if exists movie director;
create table movie director(
       movie name text not null references movies.name,
                     text not null references directors.name.
       dir name
primary key(movie_name, dir_name);
--- Actors with their directors ---
drop table if exists actor director;
create table actor director(
       relation id
                     int not null serial,
       actor_name text not null references actors.name,
                     text not null references directors.name.
       dir name
primary key(relation id);
--- Actors Inserts ---
insert into actors(name, address, dob, hair_color, eye_color, height, weight,
act guild date)
       values ('Sean Connery', 'Edinburgh, Scotland', '10/25/1930', 'gray', 'brown',
                             '74 inches','220 lbs', 'null');
insert into actors (name, address, dob, hair color, eye color, height, weight,
act guild date)
       values('Daniel Craig', 'Chester, Cheshire, England', '3/2/1968', 'brown', 'blue',
                             '70 inches','205 lbs', 'null');
insert into actors (name, address, dob, hair color, eye color, height, weight,
act_guild_date)
       values('Pierce Brosnan', 'Navan, Co. Meath, Ireland', '5/16/1953', 'brown',
'blue', '73 inches', '190 lbs', 'null');
insert into actors (name, address, dob, hair color, eye color, height, weight,
act_guild_date)
       values('Robert Downey Jr.', 'New York City, New York', '4/4/1965', 'brown',
'brown', '69 inches', '170 lbs', '2001');
insert into actors(name, address, dob, hair_color, eye_color, height, weight,
act guild date)
       values('Natalie Portman', 'Jerusalem, Israel', '6/9/1981', 'brown', 'brown',
                             '63 inches','115 lbs', '2011');
insert into actors(name, address, dob, hair_color, eye_color, height, weight,
act guild date)
       values('Al Pacino', 'New York City, New York', '4/25/1940', 'brown', 'brown',
                             '67 inches', '165 lbs', '2011, 2004');
```

```
--- Movies inserts ---
insert into movies(name, year_released, dombox_sales_USD, forbox_sales_USD,
dvd_sales_USD)
       values('Casino Royale', '2006', '167,445,960', '426,793,106', '81,510,078');
insert into movies(name, year released, dombox sales USD, forbox sales USD,
dvd_sales_USD)
       values('V for Vendetta', '2005', '70,511,035', '62,000,000', '58,830,596');
insert into movies(name, year released, dombox sales USD, forbox sales USD,
dvd_sales_USD)
       values('The Godfather', '1972', '134,966,411', '133,533,589', 'null');
insert into movies(name, year_released, dombox_sales_USD, forbox_sales_USD,
dvd sales USD)
       values('Iron Man', '2008', '318,604,126', '263,839,000', '174,949,094');
insert into movies(name, year_released, dombox_sales_USD, forbox_sales_USD,
dvd sales USD)
      values('GoldenEye', '1995', '106,429,941', '250,000,000', '46,040');
insert into movies(name, year released, dombox sales USD, forbox sales USD,
dvd sales USD)
       values('The League of Extraordinary Gentlemen', '2003', '66,465,204',
'112,800,000', '36,400,000');
insert into movies(name, year_released, dombox_sales_USD, forbox_sales_USD,
dvd sales USD)
       values('Dr. No', '1962', '16,067,035', '43,500,000', 'null');
insert into movies(name, year released, dombox sales USD, forbox sales USD,
dvd_sales_USD)
       values('Goldfinger', '1964', '51,100,000', '73,800,000', 'null'):
insert into movies(name, year released, dombox sales USD, forbox sales USD,
dvd_sales_USD)
       values('Thunderball', '1965', '63,600,000', '77,600,000', 'null');
--- Director Inserts ---
insert into directors(name, address, film school, dir guild date)
       values('Martin Campbell', 'Hastings, New Zealand', 'null', 'null');
insert into directors(name, address, film school, dir guild date)
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values('James McTeigue', 'Sydney, Australia', 'null', 'null');
insert into directors(name, address, film_school, dir_guild_date)
       values('Stephen Norrington', 'London, England', 'null', 'null');
insert into directors(name, address, film school, dir guild date)
       values('Guy Hamilton', 'Paris, France', 'null', 'null');
insert into directors(name, address, film_school, dir_guild_date)
       values('Terence Young', 'Shanghai, China', 'null', 'null');
insert into directors(name, address, film_school, dir_guild_date)
       values('Jon Favreau', 'Queens, New York', 'Queens College', 'null');
insert into directors(name, address, film school, dir guild date)
       values('Francis Coppola', 'Detroit, Michigan', 'Hofstra University', 'null');
--- Actors in the movies ---
insert into actor_movie (actor_name, movie_name)
              values('Sean Connery', 'The League of Extraordinary Gentlemen');
insert into actor_movie (actor_name, movie_name)
              values('Sean Connery', 'Dr. No');
insert into actor movie (actor name, movie name)
              values('Sean Connery', 'Goldfinger');
insert into actor movie (actor name, movie name)
              values('Sean Connery', 'Thunderball');
insert into actor_movie (actor_name, movie_name)
              values('Daniel Craig', 'Casino Royale');
insert into actor movie (actor name, movie name)
              values('Pierce Brosnan', 'GoldenEye');
insert into actor movie (actor name, movie name)
              values('Robert Downey Jr.', 'Iron Man');
insert into actor_movie (actor_name, movie_name)
              values('Natalie Portman', 'V for Vendetta');
insert into actor movie (actor name, movie name)
              values('Al Pacino', 'The Godfather');
```

```
--- Movies with their directors ---
insert into movie director (movie name, dir name)
              values('GoldenEye', 'Martin Campbell');
insert into movie_director (movie_name, dir_name)
              values('Casino Royale', 'Martin Campbell');
insert into movie director (movie name, dir name)
              values('Dr. No', 'Terence Young');
insert into movie_director (movie_name, dir_name)
              values('Thunderball', 'Terence Young');
insert into movie_director (movie_name, dir_name)
              values('V for Vendetta', 'James McTeigue');
insert into movie director (movie name, dir name)
              values('Goldfinger', 'Guy Hamilton');
insert into movie_director (movie_name, dir_name)
              values('The League of Extraordinary Gentlemen', 'Stephen
Norrington');
insert into movie_director (movie_name, dir_name)
              values('Iron Man', 'Jon Favreau');
insert into movie_director (movie_name, dir_name)
              values('The Godfather', 'Francis Coppola');
--- Actors with their directors ---
insert into actor_director (actor_name, dir_name)
              values('Sean Connery', 'Terence Young');
insert into actor director (actor name, dir name)
              values('Sean Connery', 'Guy Hamilton');
insert into actor director (actor name, dir name)
              values('Sean Connery', 'Stephen Norrington');
insert into actor_director (actor_name, dir_name)
              values('Daniel Craig', 'Martin Campbell');
insert into actor director (actor name, dir name)
              values('Pierce Brosnan', 'Martin Campbell');
```

```
insert into actor_director (actor_name, dir_name)
              values('Robert Downey Jr.', 'Jon Favreau');
insert into actor_director (actor_name, dir_name)
              values('Natalie Portman', 'James McTeigue');
insert into actor_director (actor_name, dir_name)
              values('Al Pacino', 'Francis Coppola');
--- Functional Dependencies ---
Actors Table:
aid -> name
aid -> address
aid -> dob
aid -> hair color
aid -> eye_color
aid -> height
aid -> weight
aid -> act_guild_date
Movies Table:
mid -> year released
mid -> dombox_sales
mid -> forbox sales
mid -> dvd_sales
Directors Table:
did -> name
did -> address
did -> film school
did -> dir_guild_date
--- SQL Query ---
select from actor_director
where actor_name = 'Sean Connery';
```