Name: *Natalia Russu*

Lesson 5: Joins and Unions

1. Join the film to the film_actor table.

SELECT film.film_id, film.title, film.description,

film.release_year, film.language_id, film.rental_duration,

film.rental_rate, film.length, film.replacement_cost,

film.rating, film.last_update, film.special_features,

film.fulltext, actor_id

FROM film

FULL JOIN film_actor

ON film.film_id = film_actor.film_id;

Data Output   Explain   Messages   Notifications

	film_id integer	title character varying (255)	description text	release_year integer	language_id smallint	rental_duration smallint	rental_rate numeric (4,2)
1	1	Academy Dinosaur	A Epic Drama of a Feminist And a Mad Scientist who must Battle a Teacher in The Canadian Rockies	2006	1	6	
2	23	Anaconda Confessions	A Lacklusture Display of a Dentist And a Dentist who must Fight a Girl in Australia	2006	1	3	
3	25	Angels Life	A Thoughtful Display of a Woman And a Astronaut who must Battle a Robot in Berlin	2006	1	3	
4	106	Bulworth Commandments	A Amazing Display of a Mad Cow And a Pioneer who must Redeem a Sumo Wrestler in The Outback	2006	1	4	
5	140	Cheaper Clyde	A Emotional Character Study of a Pioneer And a Girl who must Discover a Dog in Ancient Japan	2006	1	6	
6	166	Color Philadelphia	A Thoughtful Panorama of a Car And a Crocodile who must Sink a Monkey in The Sahara Desert	2006	1	6	
7	277	Elephant Trojan	A Beautiful Panorama of a Lumberjack And a Forensic Psychologist who must Overcome a Frisbee in A Baloon	2006	1	4	
8	361	Gleaming Jawbreaker	A Amazing Display of a Composer And a Forensic Psychologist who must Discover a Car in The Canadian Rockies	2006	1	5	
9	438	Human Graffiti	A Beautiful Reflection of a Womanizer And a Sumo Wrestler who must Chase a Database Administrator in The Gulf of Mexico	2006	1	3	
10	499	King Evolution	A Action-Packed Tale of a Boy And a Lumberjack who must Chase a Madman in A Baloon	2006	1	3	

2. Join the actor table to the film_actor table.

SELECT actor.actor_id, actor.first_name, actor.last_name, actor.last_update, film_actor.film_id

from actor

full join film_actor

ON actor.actor_id = film_actor.actor_id;

	actor_id integer	first_name character varying (45)	last_name character varying (45)	last_update timestamp without time zone	film_id smallint
1	1	Penelope	Guiness	2013-05-26 14:47:57.62	1
2	1	Penelope	Guiness	2013-05-26 14:47:57.62	23
3	1	Penelope	Guiness	2013-05-26 14:47:57.62	25
4	1	Penelope	Guiness	2013-05-26 14:47:57.62	106
5	1	Penelope	Guiness	2013-05-26 14:47:57.62	140
6	1	Penelope	Guiness	2013-05-26 14:47:57.62	166
7	1	Penelope	Guiness	2013-05-26 14:47:57.62	277
8	1	Penelope	Guiness	2013-05-26 14:47:57.62	361
9	1	Penelope	Guiness	2013-05-26 14:47:57.62	438
10	1	Penelope	Guiness	2013-05-26 14:47:57.62	499
11	1	Penelope	Guiness	2013-05-26 14:47:57.62	506
12	1	Penelope	Guiness	2013-05-26 14:47:57.62	509
13	1	Penelope	Guiness	2013-05-26 14:47:57.62	605
14	1	Penelope	Guiness	2013-05-26 14:47:57.62	635

3. Try to join the actor, film_actor, and film table together (3 joins!)

select film.film_id, film.title, film.description,

film.release_year, film.language_id, film.rental_duration,

film.rental_rate, film.length, film.replacement_cost,

film.rating, film.last_update, film.special_features,

film.fulltext, film_actor.actor_id, actor.first_name, actor.last_name

from film **as** film

FULL JOIN

film_actor **as** film_actor

ON film.film_id = film_actor.film_id

FULL JOIN

actor **AS** actor

ON film_actor.last_update = actor.last_update

	film_id integer	title character varying (255)	description text	release_year integer	language_id smallint	rental_duration smallint
1	1	Academy Dinosaur	A Epic Drama of a Feminist And a Mad Scientist who must Battle a Teacher in The Canadian Rockies	2006	1	6
2	23	Anaconda Confessions	A Lackluster Display of a Dentist And a Dentist who must Fight a Girl in Australia	2006	1	3
3	25	Angels Life	A Thoughtful Display of a Woman And a Astronaut who must Battle a Robot in Berlin	2006	1	3
4	106	Bulworth Commandments	A Amazing Display of a Mad Cow And a Pioneer who must Redeem a Sumo Wrestler in The Outback	2006	1	4
5	140	Cheaper Clyde	A Emotional Character Study of a Pioneer And a Girl who must Discover a Dog in Ancient Japan	2006	1	6
6	166	Color Philadelphia	A Thoughtful Panorama of a Car And a Crocodile who must Sink a Monkey in The Sahara Desert	2006	1	6
7	277	Elephant Trojan	A Beautiful Panorama of a Lumberjack And a Forensic Psychologist who must Overcome a Frisbee in A Baloon	2006	1	4
8	361	Gleaming Jawbreaker	A Amazing Display of a Composer And a Forensic Psychologist who must Discover a Car in The Canadian Rockies	2006	1	5
9	438	Human Graffiti	A Beautiful Reflection of a Womanizer And a Sumo Wrestler who must Chase a Database Administrator in The Gulf of Mexico	2006	1	3
10	499	King Evolution	A Action-Packed Tale of a Boy And a Lumberjack who must Chase a Madman in A Baloon	2006	1	3
11	506	Lady Stage	A Beautiful Character Study of a Woman And a Man who must Pursue a Explorer in A U-Boat	2006	1	4
12	509	Language Cowboy	A Epic Yarn of a Cat And a Madman who must Vanquish a Dentist in An Abandoned Amusement Park	2006	1	5
13	605	Mulholland Beast	A Awe-Inspiring Display of a Husband And a Squirrel who must Battle a Sumo Wrestler in A Jet Boat	2006	1	7
14	635	Oklahoma Jumanji	A Thoughtful Drama of a Dentist And a Womanizer who must Meet a Husband in The Sahara Desert	2006	1	7
15	749	Rules Human	A Beautiful Epistle of a Astronaut And a Student who must Confront a Monkey in An Abandoned Fun House	2006	1	6
16	832	Splash Gump	A Taut Saga of a Crocodile And a Boat who must Conquer a Hunter in A Shark Tank	2006	1	5
17	939	Vertigo Northwest	A Unbelieveable Display of a Mad Scientist And a Mad Scientist who must Outgun a Mad Cow in Ancient Japan	2006	1	4