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Data Analytics-2

Lesson 5: Joins and Unions

1. Join the film to the film_actor table.

Data Output		Explain	Messages	Notifications		
	 actor_id smallint	 film_id smallint	 last_update timestamp without time zone	 film_id integer	 title character varying (255)	 description text
1	1	1	2006-02-15 10:05:03	1	Academy Dinosaur	A Epic Drama of...
2	1	23	2006-02-15 10:05:03	23	Anaconda Confessions	A Lacklusture Di...
3	1	25	2006-02-15 10:05:03	25	Angels Life	A Thoughtful Di...
4	1	106	2006-02-15 10:05:03	106	Bulworth Commandments	A Amazing Disp...
5	1	140	2006-02-15 10:05:03	140	Cheaper Clyde	A Emotional Ch...
6	1	166	2006-02-15 10:05:03	166	Color Philadelphia	A Thoughtful Pa...
7	1	277	2006-02-15 10:05:03	277	Elephant Trojan	A Beautiful Pan...
8	1	361	2006-02-15 10:05:03	361	Gleaming Jawbreaker	A Amazing Disp...
9	1	438	2006-02-15 10:05:03	438	Human Graffiti	A Beautiful Refl...
10	1	499	2006-02-15 10:05:03	499	King Evolution	A Action-Packe...
11	1	506	2006-02-15 10:05:03	506	Lady Stage	A Beautiful Char...
12	1	509	2006-02-15 10:05:03	509	Language Cowboy	A Epic Yarn of a ...
13	1	605	2006-02-15 10:05:03	605	Mulholland Beast	A Awe-Inspiring ...

2. Join the actor table to the film_actor table.

Data Output		Explain	Messages	Notifications			
	 actor_id smallint	 film_id smallint	 last_update timestamp without time zone	 actor_id integer	 first_name character varying (45)	 last_name character varying (45)	 last_update timestamp without time zone
1	1	1	2006-02-15 10:05:03	1	Penelope	Guinness	2013-05-26 14:47:57.62
2	1	23	2006-02-15 10:05:03	1	Penelope	Guinness	2013-05-26 14:47:57.62
3	1	25	2006-02-15 10:05:03	1	Penelope	Guinness	2013-05-26 14:47:57.62
4	1	106	2006-02-15 10:05:03	1	Penelope	Guinness	2013-05-26 14:47:57.62
5	1	140	2006-02-15 10:05:03	1	Penelope	Guinness	2013-05-26 14:47:57.62

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

	actor_id	film_id	last_update	actor_id	first_name	last_name	last_update	film_id	title	description	release_year	language
	smallint	smallint	timestamp without time zone	integer	character varying (25)	character varying (25)	timestamp without time zone	integer	character varying (255)	text	integer	smallint
1	1	1	2006-02-15 10:05:...	1	Penelope	Guiness	2013-05-26 14:47:57.62	1	Academy Dinosaur	A Epic Drama of...	2006	1
2	1	23	2006-02-15 10:05:...	1	Penelope	Guiness	2013-05-26 14:47:57.62	23	Anaconda Confessi...	A Lacklusture Di...	2006	1
3	1	25	2006-02-15 10:05:...	1	Penelope	Guiness	2013-05-26 14:47:57.62	25	Angels Life	A Thoughtful Di...	2006	1
4	1	106	2006-02-15 10:05:...	1	Penelope	Guiness	2013-05-26 14:47:57.62	106	Bulworth Command...	A Amazing Disp...	2006	1
5	1	140	2006-02-15 10:05:...	1	Penelope	Guiness	2013-05-26 14:47:57.62	140	Cheaper Clyde	A Emotional Ch...	2006	1
6	1	166	2006-02-15 10:05:...	1	Penelope	Guiness	2013-05-26 14:47:57.62	166	Color Philadelphia	A Thoughtful Pa...	2006	1
7	1	277	2006-02-15 10:05:...	1	Penelope	Guiness	2013-05-26 14:47:57.62	277	Elephant Trojan	A Beautiful Pan...	2006	1
8	1	361	2006-02-15 10:05:...	1	Penelope	Guiness	2013-05-26 14:47:57.62	361	Gleaming Jawbreak...	A Amazing Disp...	2006	1
9	1	438	2006-02-15 10:05:...	1	Penelope	Guiness	2013-05-26 14:47:57.62	438	Human Graffiti	A Beautiful Refl...	2006	1
10	1	499	2006-02-15 10:05:...	1	Penelope	Guiness	2013-05-26 14:47:57.62	499	King Evolution	A Action-Packe...	2006	1
11	1	506	2006-02-15 10:05:...	1	Penelope	Guiness	2013-05-26 14:47:57.62	506	Lady Stage	A Beautiful Char...	2006	1
12	1	509	2006-02-15 10:05:...	1	Penelope	Guiness	2013-05-26 14:47:57.62	509	Language Cowbov	A Epic Yarn of a ...	2006	1