Name: Michelle Orna

Lesson 5: Joins and Unions

1. Join the film to the film_actor table.

```
1    SELECT * FROM film
     Read-only column
2    INNER JOIN film_actor
3    ON film.film_id=film_actor.film_id;
4
```

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)	length smallint	replacement_cost numeric (5,2)	rating mpaa_rati
1	1	Academy Dinosaur	A Epic Drama of a Feminist ...	2006	1	6	0.99	86	20.99	PG
2	23	Anaconda Confessions	A Lacklusture Display of a D...	2006	1	3	0.99	92	9.99	R
3	25	Angels Life	A Thoughtful Display of a W...	2006	1	3	2.99	74	15.99	G
4	106	Bulworth Commandments	A Amazing Display of a Mad...	2006	1	4	2.99	61	14.99	G
5	140	Cheaper Clyde	A Emotional Character Stud...	2006	1	6	0.99	87	23.99	G

2. Join the actor table to the film_actor table.

```
6    SELECT * FROM actor
7    INNER JOIN film_actor
8    ON actor.actor_id=film_actor.actor_id;
9
```

Data Output   Explain   Messages   Notifications

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

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

```
10   SELECT * FROM actor
11   INNER JOIN film_actor
12   ON actor.actor_id=film_actor.actor_id
13   INNER JOIN film
14   ON film.film_id=film_actor.film_id;
```

Data Output   Explain   Messages   Notifications

	actor_id integer	first_name character varying (45)	last_name character varying (45)	last_update timestamp without time zone	actor_id smallint	film_id smallint	last_update timestamp without time zone	film_id integer	title character varying (255)	description text
1	1	Penelope	Guiness	2013-05-26 14:47:57.62	1	1	2006-02-15 10:05:03	1	Academy Dinosaur	A Epic Drama of a
2	1	Penelope	Guiness	2013-05-26 14:47:57.62	1	23	2006-02-15 10:05:03	23	Anaconda Confessions	A Lacklusture Dis
3	1	Penelope	Guiness	2013-05-26 14:47:57.62	1	25	2006-02-15 10:05:03	25	Angels Life	A Thoughtful Disp
4	1	Penelope	Guiness	2013-05-26 14:47:57.62	1	106	2006-02-15 10:05:03	106	Bulworth Commandments	A Amazing Displa
5	1	Penelope	Guiness	2013-05-26 14:47:57.62	1	140	2006-02-15 10:05:03	140	Cheaper Clyde	A Emotional Char