

## 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;
```

	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
1	1	Academy Dinosaur	A Epic Dra...	2006	1	6	0.99	86
2	23	Anaconda Confessions	A Lacklust...	2006	1	3	0.99	92
3	25	Angels Life	A Thoughtf...	2006	1	3	2.99	74
4	106	Bulworth Commandme...	A Amazing ...	2006	1	4	2.99	61
5	140	Cheaper Clyde	A Emotiona...	2006	1	6	0.99	87
6	166	Color Philadelphia	A Thoughtf...	2006	1	6	2.99	149
7	277	Elephant Trojan	A Beautiful ...	2006	1	4	4.99	126

### 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;
```

	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	re n
1	1	Academy Dinosaur	A Epic Dra...	2006	1	6	0.99	86	
2	23	Anaconda Confessions	A Lacklust...	2006	1	3	0.99	92	
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7	277	Elephant Trojan	A Beautiful ...	2006	1	4	4.99	126	

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

SELECT film.file\_id, file.title, film.description, film.release\_year, file.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	rental_rate numeric (4,2)	length smallint	r r
1	1	Academy Dinosaur	A Epic Dra...	2006	1	6	0.99	86	
2	23	Anaconda Confessions	A Lacklust...	2006	1	3	0.99	92	
3	25	Angels Life	A Thoughtf...	2006	1	3	2.99	74	
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