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Lesson 5: Joins and Unions

1. Join the film to the film_actor table.

Query Editor

Query History

```
1 SELECT *
2 FROM film as f
3 JOIN film_actor as fa
4 ON f.film_id = fa.film_id;
```

Data Output

Explain

Messages

Notifications

	<div>film_id</div> <div>integer</div>	<div>title</div> <div>character varying (255)</div>	<div></div> <div>description</div> <div>text</div>
1	1	Academy Dinosaur	A Epic Drama of a Feminist And a Mad Scientist who must Battle a Teacher in The Canadian Rockies
2	23	Anaconda Confessions	A Lacklusture Display of a Dentist And a Dentist who must Fight a Girl in Australia
3	25	Angels Life	A Thoughtful Display of a Woman And a Astronaut who must Battle a Robot in Berlin
4	106	Bulworth Commandments	A Amazing Display of a Mad Cow And a Pioneer who must Redeem a Sumo Wrestler in The Outback
5	140	Cheaper Clyde	A Emotional Character Study of a Pioneer And a Girl who must Discover a Dog in Ancient Japan
6	166	Color Philadelphia	A Thoughtful Panorama of a Car And a Crocodile who must Sink a Monkey in The Sahara Desert
7	277	Elephant Trojan	A Beautiful Panorama of a Lumberjack And a Forensic Psychologist who must Overcome a Frisbee in A B
8	361	Gleaming Jawbreaker	A Amazing Display of a Composer And a Forensic Psychologist who must Discover a Car in The Canadian
9	438	Human Graffiti	A Beautiful Reflection of a Womanizer And a Sumo Wrestler who must Chase a Database Administrator i
10	499	King Evolution	A Action-Packed Tale of a Boy And a Lumberjack who must Chase a Madman in A Baloon
11	506	Lady Stage	A Beautiful Character Study of a Woman And a Man who must Pursue a Explorer in A U-Boat
12	509	Language Cowboy	A Epic Yarn of a Cat And a Madman who must Vanquish a Dentist in An Abandoned Amusement Park
13	605	Mulholland Beast	A Awe-Inspiring Display of a Husband And a Squirrel who must Battle a Sumo Wrestler in A Jet Boat
14	635	Oklahoma Jumanji	A Thoughtful Drama of a Dentist And a Womanizer who must Meet a Husband in The Sahara Desert

2. Join the actor table to the film_actor table.

Query Editor

Query History

```
1 SELECT *
2 FROM actor as a
3 JOIN film_actor as fa
4 ON a.actor_id = fa.actor_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
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
6	1	Penelope	Guiness	2013-05-26 14:47:57.62	1	166	2006-02-15 10:05:03
7	1	Penelope	Guiness	2013-05-26 14:47:57.62	1	277	2006-02-15 10:05:03
8	1	Penelope	Guiness	2013-05-26 14:47:57.62	1	361	2006-02-15 10:05:03
9	1	Penelope	Guiness	2013-05-26 14:47:57.62	1	438	2006-02-15 10:05:03
10	1	Penelope	Guiness	2013-05-26 14:47:57.62	1	499	2006-02-15 10:05:03
11	1	Penelope	Guiness	2013-05-26 14:47:57.62	1	506	2006-02-15 10:05:03
12	1	Penelope	Guiness	2013-05-26 14:47:57.62	1	509	2006-02-15 10:05:03
13	1	Penelope	Guiness	2013-05-26 14:47:57.62	1	605	2006-02-15 10:05:03
14	1	Penelope	Guiness	2013-05-26 14:47:57.62	1	635	2006-02-15 10:05:03
15	1	Penelope	Guiness	2013-05-26 14:47:57.62	1	749	2006-02-15 10:05:03

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

Query Editor Query History

```

1 SELECT *
2 FROM actor as a
3 JOIN film_actor as fa
4 ON a.actor_id = fa.actor_id
5     JOIN film as f
6     ON f.film_id = fa.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
1	1	Penelope	Guinness	2013-05-26 14:47:57.62	1	1	2006-02-15 10:05:03
2	1	Penelope	Guinness	2013-05-26 14:47:57.62	1	23	2006-02-15 10:05:03
3	1	Penelope	Guinness	2013-05-26 14:47:57.62	1	25	2006-02-15 10:05:03
4	1	Penelope	Guinness	2013-05-26 14:47:57.62	1	106	2006-02-15 10:05:03
5	1	Penelope	Guinness	2013-05-26 14:47:57.62	1	140	2006-02-15 10:05:03
6	1	Penelope	Guinness	2013-05-26 14:47:57.62	1	166	2006-02-15 10:05:03
7	1	Penelope	Guinness	2013-05-26 14:47:57.62	1	277	2006-02-15 10:05:03
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9	1	Penelope	Guinness	2013-05-26 14:47:57.62	1	438	2006-02-15 10:05:03
10	1	Penelope	Guinness	2013-05-26 14:47:57.62	1	499	2006-02-15 10:05:03
11	1	Penelope	Guinness	2013-05-26 14:47:57.62	1	506	2006-02-15 10:05:03
12	1	Penelope	Guinness	2013-05-26 14:47:57.62	1	509	2006-02-15 10:05:03
13	1	Penelope	Guinness	2013-05-26 14:47:57.62	1	605	2006-02-15 10:05:03
14	1	Penelope	Guinness	2013-05-26 14:47:57.62	1	635	2006-02-15 10:05:03
15	1	Penelope	Guinness	2013-05-26 14:47:57.62	1	749	2006-02-15 10:05:03