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Lesson 5: Joins and Unions

1. Join the film to the film_actor table.

Query Editor

Query History

```

1 select*from film;
2 select*from film_actor;
3
4 --inner join
5 select*from film inner join film_actor on film_actor.film_id = film.film_id;
6

```

Explain

Data Output

Messages

Notifications

	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...	2006		1	6
2	23	Anaconda Confessions	A Lacklusture Di...	2006		1	3
3	25	Angels Life	A Thoughtful Di...	2006		1	3
4	106	Bulworth Commandments	A Amazing Disp...	2006		1	4
5	140	Cheaper Clyde	A Emotional Ch...	2006		1	6
6	166	Color Philadelphia	A Thoughtful Pa...	2006		1	6
7	277	Elephant Trojan	A Beautiful Pan...	2006		1	4
8	361	Gleaming Jawbreaker	A Amazing Disp...	2006		1	5
9	438	Human Graffiti	A Beautiful Refl...	2006		1	3
10	499	King Evolution	A Action-Packe...	2006		1	3

2. Join the actor table to the film_actor table.

Query Editor

Query History






```
1 select*from film;
2 select*from film_actor;
3 select*from actor;
4
5 --inner join
6 select*from film inner join film_actor on film_actor.film_id = film.film_id;
7 select*from actor inner join film_actor on film_actor.actor_id = film_actor.actor_id;
8
```

Explain

Data Output

Messages

Notifications

	 actor_id integer	 first_name character varying (45)	 last_name character varying (45)	 last_update timestamp without time zone	 actor_id smallint
1	1	Penelope	Guinness	2013-05-26 14:47:57.62	
2	2	Nick	Wahlberg	2013-05-26 14:47:57.62	
3	3	Ed	Chase	2013-05-26 14:47:57.62	
4	4	Jennifer	Davis	2013-05-26 14:47:57.62	
5	5	Johnny	Lolobrigida	2013-05-26 14:47:57.62	
6	6	Bette	Nicholson	2013-05-26 14:47:57.62	
7	7	Grace	Mostel	2013-05-26 14:47:57.62	
8	8	Matthew	Johansson	2013-05-26 14:47:57.62	
9	9	Joe	Swank	2013-05-26 14:47:57.62	

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

Query Editor

Query History





```
1 select*from film;
2 select*from film_actor;
3 select*from actor;
4
5 --inner join
6 select*from film inner join film_actor on film_actor.film_id = film.film_id;
7
8 select*from actor inner join film_actor on film_actor.actor_id = film_actor.actor_id;
9
10 select film.film_id, film_actor.actor_id, actor.actor_id
11       from film inner join film_actor on film_actor.film_id = film.film_id
12       inner join actor on actor.actor_id = film_actor.actor_id;
```

Explain

Data Output

Messages

Notifications

	 film_id integer	 actor_id smallint	 actor_id integer	
1	1	1	1	
2	23	1	1	
3	25	1	1	
4	106	1	1	
5	140	1	1	
6	166	1	1	
7	277	1	1	