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Lesson 5: Joins and Unions

1. Join the film to the film_actor table.

```
select a.film_id, title, release_year, actor_id  
from film a inner join film_actor b  
on a.film_id = b.film_id
```

	film_id integer 🔒	title character varying (255) 🔒	release_year integer 🔒	actor_id smallint 🔒
1	1	Academy Dinosaur	2006	1
2	23	Anaconda Confessions	2006	1
3	25	Angels Life	2006	1
4	106	Bulworth Commandments	2006	1
5	140	Cheaper Clyde	2006	1
6	166	Color Philadelphia	2006	1
7	277	Elephant Trojan	2006	1
8	361	Gleaming Jawbreaker	2006	1

2. Join the actor table to the film_actor table.

```
select film_id, a.actor_id, first_name, last_name  
from actor a inner join film_actor b  
on a.actor_id = b.actor_id order by 1
```

	film_id smallint 🔒	actor_id integer 🔒	first_name character varying (45) 🔒	last_name character varying (45) 🔒
1	1	188	Rock	Dukakis
2	1	198	Mary	Keitel
3	1	40	Johnny	Cage
4	1	1	Penelope	Guinness
5	1	30	Sandra	Peck
6	1	10	Christian	Gable
7	1	162	Oprah	Kilmer
8	1	108	Warren	Nolte

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

```
select b.film_id, c.title, c.rating, a.actor_id, first_name, last_name
from actor a inner join film_actor b
on a.actor_id = b.actor_id
inner join film c
on b.film_id = c.film_id
order by 1
```

	film_id smallint 🔒	title character varying (255) 🔒	rating mpaa_rating 🔒	actor_id integer 🔒	first_name character varying (45) 🔒	last_name character varying (45) 🔒
1	1	Academy Dinosaur	PG	188	Rock	Dukakis
2	1	Academy Dinosaur	PG	198	Mary	Keitel
3	1	Academy Dinosaur	PG	40	Johnny	Cage
4	1	Academy Dinosaur	PG	1	Penelope	Guinness
5	1	Academy Dinosaur	PG	30	Sandra	Peck
6	1	Academy Dinosaur	PG	10	Christian	Gable
7	1	Academy Dinosaur	PG	162	Oprah	Kilmer
8	1	Academy Dinosaur	PG	108	Warren	Nolte