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Lesson 5: Joins and Unions

1. Join the film to the film_actor table.

```
1   select film, film_actor from film join film_actor on film.film_id = film_actor.film_id limit 5;
2
```

Data Output   Explain   Messages   Notifications

	film ⬚ film	film_actor ⬚ film_actor
1	(133,"C...	(29,133,"2006-...
2	(133,"C...	(60,133,"2006-...
3	(133,"C...	(68,133,"2006-...
4	(133,"C...	(107,133,"200...
5	(133,"C...	(132,133,"200...

2. Join the actor table to the film_actor table.

```
2   select actor, film_actor from actor join film_actor on actor.actor_id = film_actor.actor_id limit 5;
3
```

Data Output   Explain   Messages   Notifications

	actor ⬚ actor	film_actor ⬚ film_actor
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!)

```
3   select actor.actor_id, film_actor.actor_id, film.film_id
4       from (( actor
5       inner join film_actor on film_actor.actor_id = actor.actor_id)
6       inner join film on film.film_id = actor.actor_id) limit 5;
```

Data Output   Explain   Messages   Notifications

	actor_id integer	actor_id smallint	film_id integer
1	133	133	133
2	133	133	133
3	133	133	133
4	133	133	133
5	133	133	133