

Solutions to in-class exercises from Days 24-25 (the ones on the handout)

```
mysql> use imdb_small;
```

```
select * from movies where year = 1995;
```

```
/* This one is a sanity check; not one of the questions on the sheet */
```

```
select first_name,last_name from actors a
  join roles r on a.id = r.actor_id
  join movies m on r.movie_id = m.id
  where m.name = 'Lost in Translation';
```

```
select count(*) from actors a
  join roles r on a.id = r.actor_id
  join movies m on r.movie_id = m.id
  where m.name = 'Lost in Translation';
```

```
select first_name,last_name from directors d
  join movies_directors md on d.id = md.director_id
  join movies m on md.movie_id=m.id
  where m.name = 'Fight Club';
```

```
select count(*) from movies m
  join movies_directors md on m.id = md.movie_id
  join directors d on d.id = md.director_id
  where d.first_name = 'Clint' and d.last_name = 'Eastwood';
```

```
select name from movies m
  join movies_directors md on m.id = md.movie_id
  join directors d on d.id = md.director_id
  where d.first_name = 'Clint' and d.last_name = 'Eastwood';
```

```
select distinct first_name,last_name from directors d
  join movies_directors md on d.id = md.director_id
  join movies m on md.movie_id=m.id
  join movies_genres mg on m.id = mg.movie_id
  where mg.genre = 'Horror';
```

```
select distinct a.first_name,a.last_name from actors a
  join roles r on a.id = r.actor_id
  join movies m on r.movie_id = m.id
  join movies_directors md on m.id = md.movie_id
  join directors d on d.id = md.director_id
  where d.first_name = 'Christopher' and d.last_name = 'Nolan'
  order by a.last_name;
```

```
/* This is how we would count the actors from the above query */
```

```
select count(distinct a.id) from actors a
  join roles r on a.id = r.actor_id
  join movies m on r.movie_id = m.id
  join movies_directors md on m.id = md.movie_id
  join directors d on d.id = md.director_id
  where d.first_name = 'Christopher' and d.last_name = 'Nolan'
  order by a.last_name;
```