

More JOIN operations

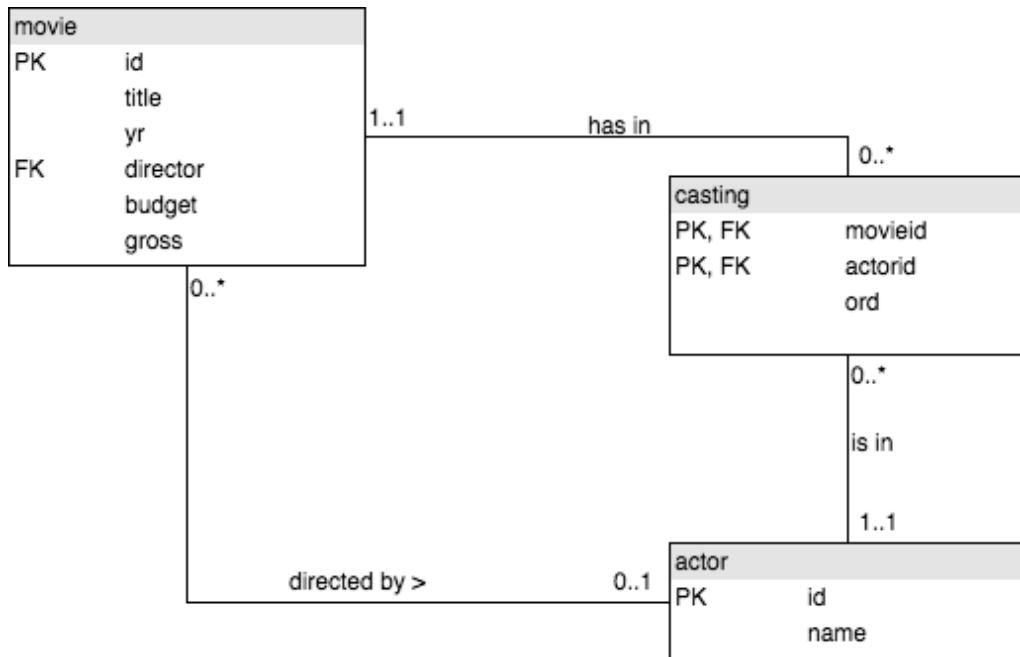
Language: English • 日本語 • 中文

This tutorial introduces the notion of a join. The database consists of three tables `movie`, `actor` and `casting`.

movie					
id	title	yr	director	budget	gross

actor	
id	name

casting		
movieid	actorid	ord



More details about the database.

Summary

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1962 movies

1.

List the films where the **yr** is 1962 and the budget is over 2000000 [Show **id, title**]

```
SELECT id, title
FROM movie
WHERE yr=1962 and budget > 2000000;
```

[Submit SQL](#)

[restore default](#)

result

When was Citizen Kane released?

2.

Give year of 'Citizen Kane'.

```
SELECT yr  
FROM movie  
WHERE title = 'Citizen Kane';
```

Submit SQL

restore default

result

Star Trek movies

3.

List all of the Star Trek movies, include the **id**, **title** and **yr** (all of these movies start with the words Star Trek in the title). Order results by year.

```
select id, title, yr
from movie
where title like 'Star Trek%'
order by yr;
```

Submit SQL

restore default

result

SQL

id for actor Glenn Close

4.

What **id** number does the actor 'Glenn Close' have?

```
select id  
from actor  
where name = 'Glenn Close';
```

Submit SQL

restore default

result

id for Casablanca

5.

What is the **id** of the 1942 film 'Casablanca'

```
select id  
from movie  
where yr = 1942 and title = 'Casablanca';
```

[Submit SQL](#)

[restore default](#)

result

Get to the point

Cast list for Casablanca

6.

Obtain the cast list for 1942's 'Casablanca'.

what is a cast list?

Use **movieid=11768**, (or whatever value you got from the previous question)

```
select a.name  
from actor as a  
join casting as c  
on a.id = c.actorid  
where c.movieid = 27 ;
```

[Submit SQL](#)

[restore default](#)

result

Alien cast list

7.

Obtain the cast list for the film 'Alien'

```
select name
from actor as a
join casting as c on a.id = c.actorid
join movie as m on c.movieid = m.id
where m.title = 'Alien'
```

[Submit SQL](#)

[restore default](#)

result

Harrison Ford movies

8.

List the films in which 'Harrison Ford' has appeared

```
select title
from movie as m
join casting as c on m.id = c.movieid
join actor as a on c.actorid = a.id
where a.name = 'Harrison Ford' ;
```

[Submit SQL](#)

[restore default](#)

[result](#)

Harrison Ford as a supporting actor

9.

List the films where 'Harrison Ford' has appeared - but not in the starring role. [Note: the **ord** field of casting gives the position of the actor. If **ord=1** then this actor is in the starring role]

```
select title
from movie as m
join casting as c on m.id = c.movieid
join actor as a on c.actorid = a.id
where a.name = 'Harrison Ford' and c.ord != 1 ;
```

[Submit SQL](#)

[restore default](#)

result

Lead actors in 1962 movies

10.

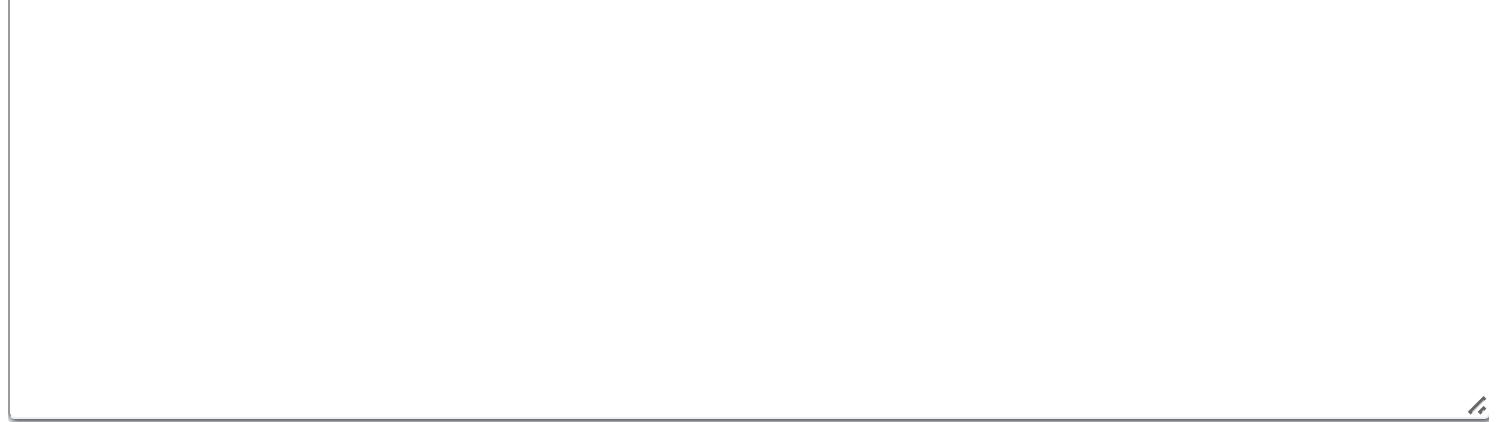
List the films together with the leading star for all 1962 films.

```
select m.title, a.name
from movie as m
join casting as c on m.id = c.movieid
join actor as a on c.actorid = a.id
where m.yr = 1962 and c.ord = 1;
```

[Submit SQL](#)

[restore default](#)

result



Harder Questions

Busy years for Rock Hudson

11.

Which were the busiest years for 'Rock Hudson', show the year and the number of movies he made each year for any year in which he made more than 2 movies.

```
SELECT yr,COUNT(title) FROM
  movie JOIN casting ON movie.id=movieid
    JOIN actor   ON actorid=actor.id
WHERE name='Rock Hudson'
GROUP BY yr
HAVING COUNT(title) > 1
```

Submit SQL

restore default

result

Lead actor in Julie Andrews movies

12.

List the film title and the leading actor for all of the films 'Julie Andrews' played in.

Did you get "Little Miss Marker twice"?

mj12



```
SELECT m.title, a2.name AS leading_actor
FROM movie AS m
JOIN casting AS c1 ON m.id = c1.movieid
JOIN actor AS a1 ON c1.actorid = a1.id
JOIN casting AS c2 ON m.id = c2.movieid
JOIN actor AS a2 ON c2.actorid = a2.id
WHERE a1.name = 'Julie Andrews'
AND c2.ord = 1;
```

[Submit SQL](#)

[restore default](#)

result

Actors with 15 leading roles

13.

Obtain a list, in alphabetical order, of actors who've had at least 15 **starring** roles.

```
select name
from actor as a
join casting as c on a.id = c.actorid
where c.ord = 1
group by a.name
having count(a.name) >= 15
order by a.name ;
```

[Submit SQL](#)

[restore default](#)

result

released in the year 1978

14.

List the films released in the year 1978 ordered by the number of actors in the cast, then by title.

```
select m.title, count(c.actorid)
from movie as m
join casting as c on m.id = c.movieid
where m.yr = 1978
group by m.title
order by count(c.actorid) desc, m.title ;
```

Submit SQL

restore default

result

with 'Art Garfunkel'

15.

List all the people who have worked with 'Art Garfunkel'.

Submit SQL

restore default

result[Clear your results](#)

JOIN Quiz 2

That is definitely enough. Students should, under no circumstances look at the next tutorial, concerning outer joins.
(http://sqlzoo.net/w/index.php/Using_Null)

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