

More JOIN operations

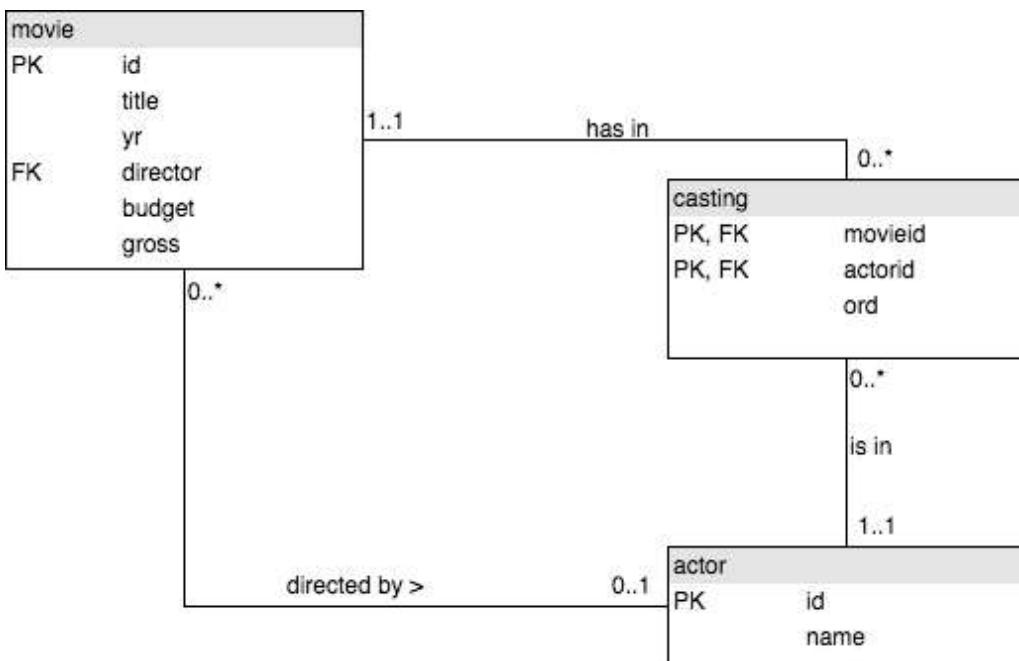
Language: English • 日本語 • 中文

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](#)

Correct answer

id	title
59084	Mutiny on the Bounty
228186	Lawrence of Arabia
468484	The Longest Day
498150	Taras Bulba
521387	The Manchurian Candidate
555687	The Man Who Shot Liberty Valance
1217650	The Wonderful World of the Brothers Grimm

When was Citizen Kane released?

2.

Give year of 'Citizen Kane'.

```
select yr from movie where title = 'Citizen Kane';
```

[Submit SQL](#)

[restore default](#)

Correct answer

yr
1941

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](#)

Correct answer

id	title	yr
107940	Star Trek: The Motion Picture	1979
465478	Star Trek II: The Wrath of Khan	1982
221305	Star Trek III: The Search for Spock	1984
471842	Star Trek IV: The Voyage Home	1986
241218	Star Trek V: The Final Frontier	1989
579757	Star Trek VI: The Undiscovered Country	1991
723679	Star Trek Generations	1994
881006	Star Trek: First Contact	1996

id for actor Glenn Close

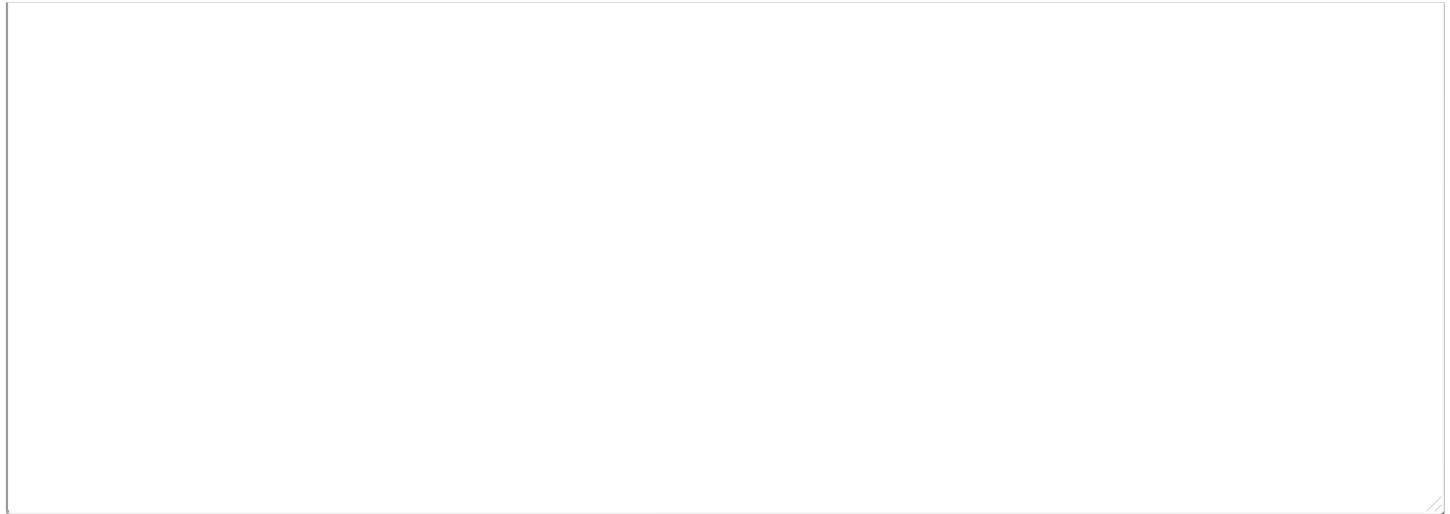
4.

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 title = 'Casablanca' and yr = 1942;
```

[Submit SQL](#)

[restore default](#)

Correct answer

id
132689

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)

Submit SQL

restore default

Wrong answer. Too few rows.

Show what the answer should be...

Alien cast list

7.

Obtain the cast list for the film 'Alien'

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

[Submit SQL](#)[restore default](#)

Correct answer

name
Sigourney Weaver
John Hurt
Ian Holm
unknown actor
unknown actor
Harry Dean Stanton
Tom Skerritt
DJ Qualls

Harrison Ford movies

8.

List the films in which 'Harrison Ford' has appeared

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

Submit SQL[restore default](#)

Correct answer

title
Star Wars: Episode VII – The Force Awakens
Star Wars: Episode IV – A New Hope
Working Girl
Frantic
Zabriskie Point
The Fugitive
Crossing Over

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

[Submit SQL](#)[restore default](#)

Correct answer

title
Star Wars: Episode VII – The Force Awakens
Working Girl
Zabriskie Point
Apocalypse Now
Indiana Jones and the Last Crusade
American Graffiti
Force 10 from Navarone

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 m
join casting c on m.id = c.movieid
join actor a on c.actorid = a.id
where m.yr = 1962 and c.ord = 1;
```

[Submit SQL](#)[restore default](#)

Correct answer

title	name
Julius Caesar Against The Pirates	Abbe Lane
The Sins	Abdelhalim Hafez
The Brainiac	Abel Salazar
Viyarppinte Vila	Adoor Bhasi
Les culottes rouges	Adrien Cayla-Legrand
Chūshingura: Hana no Maki, Yuki no Maki	Akira Takarada
Aradhana	Akkineni Nageswara Rao

[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='Doris Day'
GROUP BY yr
HAVING COUNT(title) > 1
```

Submit SQL[restore default](#)

Correct answer

yr	movie_count
1950	6
1951	5
1952	5
1953	7
1954	3
1955	3
1956	3
1957	2

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 movieid FROM casting
WHERE actorid IN (
    SELECT id FROM actor
    WHERE name='Julie Andrews')
```

Submit SQL[restore default](#)

Correct answer

title	lead_actor
The Sound of Music	Julie Andrews
The Man Who Loved Women	Burt Reynolds
Tooth Fairy	Dwayne Johnson
10	Dudley Moore
Mary Poppins	Julie Andrews
Torn Curtain	Paul Newman
The Princess Diaries 2: Royal Engagement	Anne Hathaway

Actors with 15 leading roles

13.

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

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

[Submit SQL](#)

[restore default](#)

Correct answer

name
A. V. M. Rajan
Aamir Khan
Aaron Eckhart
Aaron Kwok
Abhishek Bachchan
Abir Chatterjee
Adam Sandler

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.

Submit SQL

restore default

SQL error

```
'gisq.m.title' isn't in GROUP BY
```

with 'Art Garfunkel'

15.

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

[Submit SQL](#)[restore default](#)

Correct answer

name
Harvey Keitel
Theresa Russell
Dana Gillespie
Denholm Elliott
Daniel Massey
unknown actor
Ania Marson

[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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