

# More JOIN operations

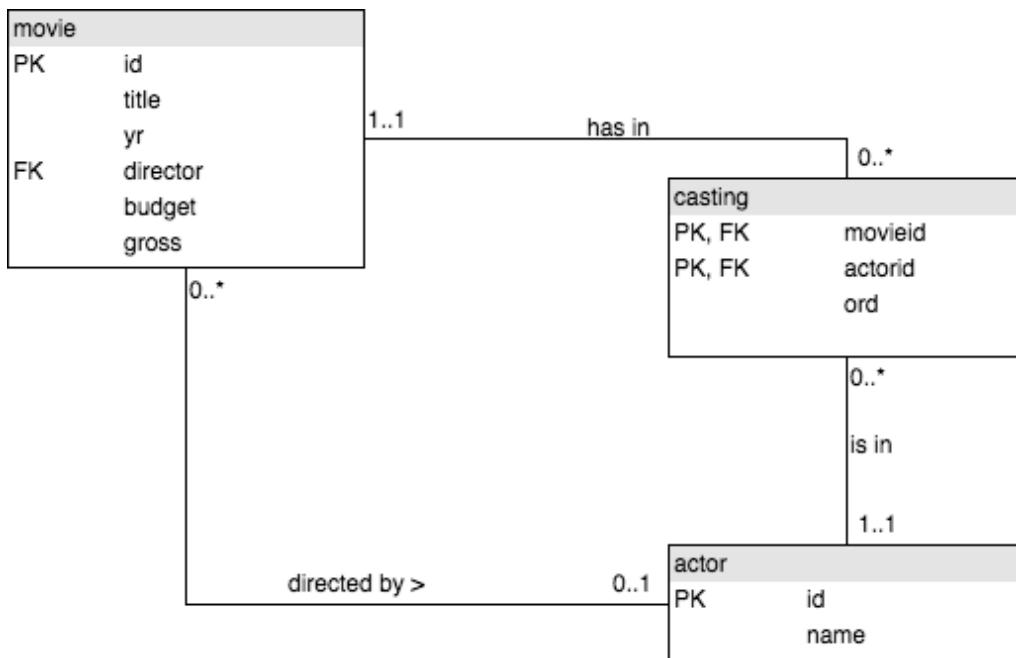
Language: English • 日本語 • 中文

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

movie					
<b>id</b>	title	yr	director	budget	gross

actor	
<b>id</b>	name

casting		
<b>movieid</b>	<b>actorid</b>	<b>ord</b>



More details about the database.

Summary



## 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

<code>id</code>	<code>title</code>
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

<b>id</b>	<b>title</b>	<b>yr</b>
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](#)

## Correct answer

id
372311

## 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

## 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)

```
SELECT actor.name
FROM movie
JOIN casting ON movie.id = casting.movieid
JOIN actor ON casting.actorid = actor.id
WHERE movie.title = 'Casablanca'
AND movie.yr = 1942
```

Submit SQL[restore default](#)

## Correct answer

name
Humphrey Bogart
Ingrid Bergman
Conrad Veidt
Curt Bois
Paul Panzer
Peter Lorre
Ilka Grüning

## Alien cast list

7.

Obtain the cast list for the film 'Alien'

```
SELECT actor.name
FROM movie
JOIN casting ON movie.id = casting.movieid
JOIN actor ON casting.actorid = actor.id
WHERE movie.title = 'alien'
```

Submit SQL[restore default](#)

## Correct answer

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

## Harrison Ford movies

# 8.

List the films in which 'Harrison Ford' has appeared

```
SELECT title
FROM movie
JOIN casting ON movie.id = casting.movieid
JOIN actor ON actor.id = casting.actorid
WHERE actor.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 title
FROM movie
JOIN casting ON movie.id = casting.movieid
JOIN actor ON actor.id = casting.actorid
WHERE actor.name = 'Harrison Ford'
AND casting.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 movie.title, actor.name
FROM movie
JOIN casting ON movie.id = casting.movieid
JOIN actor ON actor.id = casting.actorid
WHERE movie.yr = 1962
AND casting.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

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Harder Questions

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## 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 movie.yr, COUNT(movie.title) AS movies_made
FROM movie
JOIN casting ON movie.id = casting.movieid
JOIN actor ON actor.id = casting.actorid
WHERE actor.name = 'Rock Hudson'
GROUP BY movie.yr
HAVING COUNT(movie.title) > 2;
```

Submit SQL[restore default](#)

## Correct answer

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

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 actor.name
FROM actor
JOIN casting ON actor.id = casting.actorid
WHERE casting.ord = 1
GROUP BY actor.name
HAVING COUNT(casting.movieid) >= 15
ORDER BY actor.name;
```

Submit SQL

restore default

## Correct answer

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

## 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 movie.title, COUNT(casting.actorid) AS cast_count
FROM movie
JOIN casting ON movie.id = casting.movieid
WHERE movie.yr = 1978
GROUP BY movie.title
ORDER BY cast_count DESC, movie.title;
```

Submit SQL[restore default](#)

## Correct answer

title	cast_count
Dinner for Adele	154
Cinématon	91
Tajemství Ocelového mesta	80
Balada pro banditu	60
How to Wake a Princess	53
Stíhán a podezrelý	48
Panna a netvor	46

with 'Art Garfunkel'

15.

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

```
FROM actor a1
JOIN casting c1 ON a1.id = c1.actorid
JOIN casting c2 ON c1.movieid = c2.movieid
JOIN actor a2 ON c2.actorid = a2.id
WHERE a1.name = 'Art Garfunkel'
AND a2.name <> '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](http://sqlzoo.net/w/index.php/Using_Null))

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