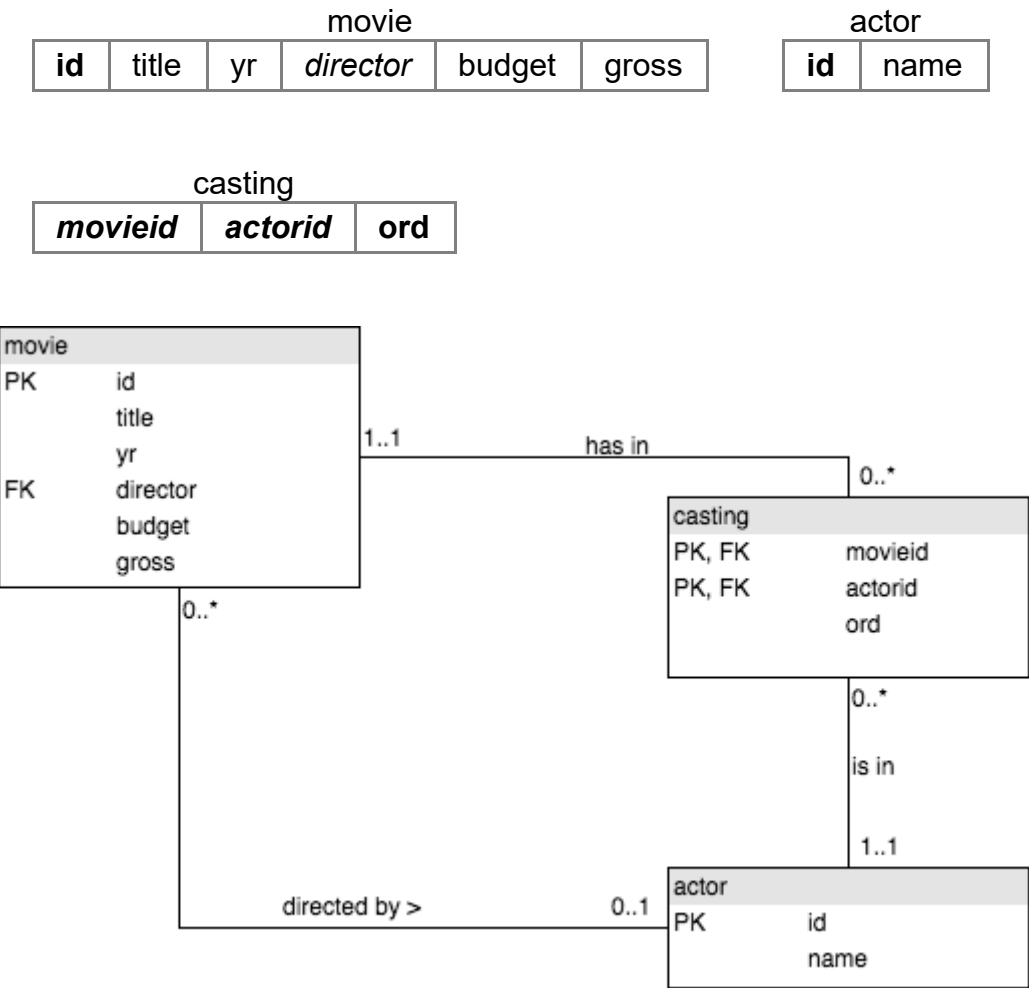


# More JOIN operations

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` .



[More details about the database.](#)

## Summary

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## 1962 movies

---

# 1.

List the films where the **yr** is 1962 [Show **id**, **title**]

```
SELECT id, title
FROM movie
WHERE yr=1962
```

Submit SQLRestore 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 include 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 SQLRestore default

result

## id for actor Glenn Close

---

# 4.

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

```
SELECT actor.id
FROM actor
WHERE actor.name = 'Glenn Close'
```

Submit SQLRestore default

result

## id for Casablanca

---

# 5.

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

```
SELECT id
FROM movie
WHERE title = 'Casablanca'
```

Submit SQL

Restore default

result

Get to the point

## Cast list for Casablanca

---

# 6.

Obtain the cast list for 'Casablanca'.

*what is a cast list?*

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

```
SELECT actor.name  
FROM actor  
LEFT JOIN casting  
ON actor.id = casting.actorid  
WHERE casting.movieid = 11768;
```

Submit SQL

Restore default

result

## Alien cast list

---

# 7.

Obtain the cast list for the film 'Alien'

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

Submit SQL

Restore default

result

## Harrison Ford movies

---

# 8.

List the films in which 'Harrison Ford' has appeared

```
FROM movie
JOIN casting
ON movie.id = casting.movieid

JOIN actor
ON casting.actorid = actor.id

WHERE actor.name = 'Harrison Ford';
```

Submit SQLRestore 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]



```
FROM movie

JOIN casting
ON movie.id = casting.movieid

JOIN actor
ON casting.actorid = actor.id

WHERE actor.name = 'Harrison Ford' AND casting.ord != 1;
```

Submit SQLRestore default

result

## Lead actors in 1962 movies

---

# 10.

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



## 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) > 2
```

Submit SQLRestore default

### Correct answer

yr	COUNT(title)
1953	5
1961	3

## 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"?*

Julie Andrews starred in the 1980 remake of Little Miss Marker and not the original(1934).

Title is not a unique field, create a table of IDs in your subquery

```
SELECT title, actor.name
FROM movie, casting, actor
WHERE casting.movieid=movie.id
      AND casting.actorid=actor.id
      AND casting.ord=1
      AND movieid IN
      (SELECT movieid FROM casting, actor
       WHERE actorid=actor.id
        AND name='Julie Andrews')
```

Submit SQL

Restore default

mj12

Click to load content

## Correct answer

title	name
10	Dudley Moore
Darling Lili	Julie Andrews
Despicable Me	Steve Carell
Duet for One	Julie Andrews
Hawaii	Julie Andrews
Little Miss Marker	Walter Matthau
Mary Poppins	Julie Andrews
Relative Values	Julie Andrews
S.O.B.	Julie Andrews

## 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 casting, actor
WHERE actorid = actor.id AND ord = 1
GROUP BY name
HAVING COUNT(name) >= 15
```

Submit SQL

Restore default

Gregory Peck
Greta Garbo
Harrison Ford
Henry Fonda
Humphrey Bogart
Ingrid Bergman
Jack Lemmon
Jack Nicholson
Jackie Chan
James Cagney
James Mason
James Stewart
Results truncated. Only the first 50 rows have been shown.

# 14.

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

## Method #1

```
SELECT title, COUNT(actorid)
FROM movie, casting
WHERE movie.id = movieid AND yr = 1978
GROUP BY title ORDER BY COUNT(actorid) DESC, title
```

## Method #2

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

Submit SQL

Restore default

The Cat from Outer Space	17
The Driver	17
The Star Wars Holiday Special	17
Blue Collar	16
Ice Castles	16
International Velvet	16
J.R.R. Tolkien's The Lord of the Rings	16
Alexandria... Why?	15
Bye Bye Monkey	15
Coming Home	15
David	15
Gray Lady Down	15
Occupation in 26 Pictures	15
Revenge of the Pink Panther	15
The Brink's Job	15
The Chant of Jimmie Blacksmith	15
The Water Babies	15
Violette Nozière	15
Who'll Stop The Rain	15
Without Anesthesia	15
Bread and Chocolate	14

# 15.

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

```
SELECT DISTINCT (name)
FROM movie, actor, casting
WHERE movie.id = movieid
AND actor.id = actorid
AND movieid IN
(SELECT movieid
FROM actor, casting
WHERE actor.id = actorid
AND name = 'Art Garfunkel')
AND name != 'Art Garfunkel'
```

Submit SQL

Restore default

Ron Jeremy	
Elio Fiorucci	
Sheryl Crow	
Georgina Grenville	
Cindy Crawford	
Heidi Klum	
Donald Trump	
Cecilie Thomsen	
Frederique van der Wal	
Veronica Webb	
Peter Bogdanovich	
Beverly Johnson	
Bruce Jay Friedman	
Lorna Luft	

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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