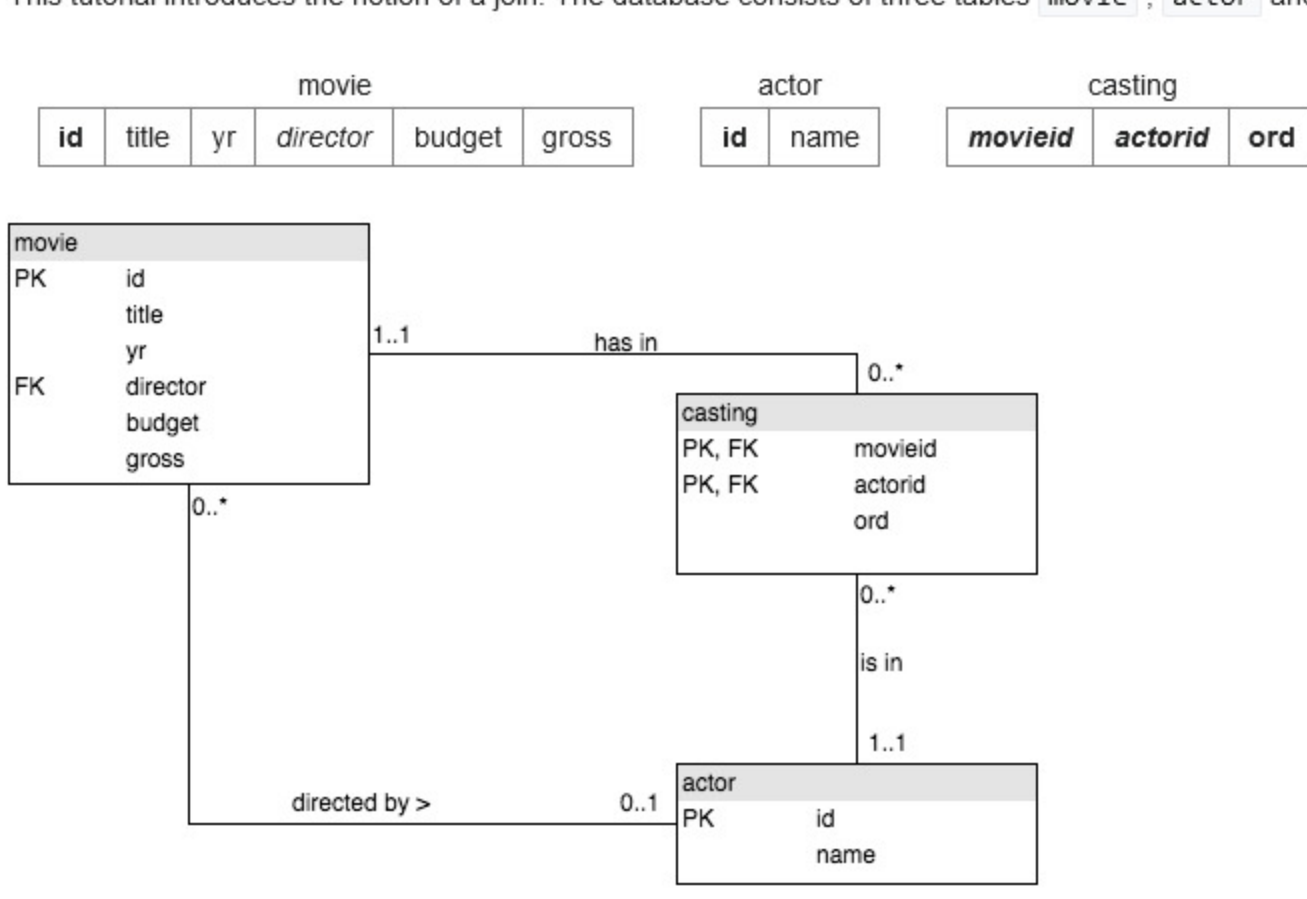


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## More JOIN operations

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



More details about the database

Summary
<div>Contents [hide]</div> <div><ul style="list-style-type: none"><li>1 1962 movies</li><li>2 When was Citizen Kane released?</li><li>3 Star Trek movies</li><li>4 id for actor Glenn Close</li><li>5 id for Casablanca</li><li>6 Cast list for Casablanca</li><li>7 Allen cast list</li><li>8 Harrison Ford movies</li><li>9 Harrison Ford as a supporting actor</li><li>10 Lead actors in 1962 movies</li><li>11 Busy years for Rook Hudson</li><li>12 Lead actor in Julie Andrews movies</li><li>13 Actors with 15 leading roles</li><li>14 released in the year 1978</li><li>15 with 'Art Garfunkel'</li></ul></div>

### 1962 movies

#### 1. 🤔

List the films where the yr is 1962 (Show id, title)

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

Submit SQL

Restore default

#### Correct answer

id	title
10212	A Kind of Loving
10329	A Symposium on Popular Songs
10347	A Very Private Affair (Vie Priv�e)
10648	An Autumn Afternoon
10868	Atraco a las tres
11006	Barabbas
11053	Battle Beyond the Sun (D�j�D�� D��D���)

### 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 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 SQL

Restore default

#### Correct answer

id	title	yr
17772	Star Trek: The Motion Picture	1979
17775	Star Trek II: The Wrath of Khan	1982
17776	Star Trek III: The Search for Spock	1984
17777	Star Trek IV: The Voyage Home	1986
17779	Star Trek V: The Final Frontier	1989
17780	Star Trek VI: The Undiscovered Country	1991
17774	Star Trek Generations	1994

### 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
140

### id for Casablanca

#### 5. 🤔

What is the id of the film 'Casablanca'?

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

Submit SQL

Restore default

#### Correct answer

id
11768

Get to the point

### Cast list for Casablanca

#### 6. 🤔

Obtain the cast list for 'Casablanca'.

What is a cast list?

The cast list is the names of the actors who were in the movie.

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

```
SELECT name FROM actor JOIN casting ON (actor.id = actorid)
JOIN movie ON (movie.id = movieid)
WHERE movieid=11768
```

Submit SQL

Restore default

#### Correct answer

name
Peter Lorre
John Qualen
Madeline LeBeau
Jack Benny
Dan Seymour
Norma Varden
Ingrid Bergman

### Allen cast list

#### 7. 🤔

Obtain the cast list for the film 'Allen'.

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

Submit SQL

Restore default

#### Correct answer

name
John Hurt
Sigourney Weaver
Yaphet Kotto
Harry Dean Stanton
Ian Holm
Tom Skerritt
Veronica Cartwright

### Harrison Ford movies

#### 8. 🤔

List the films in which 'Harrison Ford' has appeared

```
SELECT title FROM actor JOIN casting ON (actor.id = actorid)
JOIN movie ON (movie.id = movieid)
WHERE name = 'Harrison Ford'
```

Submit SQL

Restore default

#### Correct answer

title
A Hundred and One Nights
Air Force One
American Graffiti
Apocalypse Now
Clear and Present Danger
Cowboys & Aliens
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 actor JOIN casting ON (actor.id = actorid)
JOIN movie ON (movie.id = movieid)
WHERE name = 'Harrison Ford' AND ord > 1
```

Submit SQL

Restore default

#### Correct answer

title
A Hundred and One Nights
American Graffiti
Apocalypse Now
Cowboys & Aliens
Dead Heat on a Merry-Go-Round
Extraordinary Measures
Force 10 From Navarone

### Lead actors in 1962 movies

#### 10. 🤔

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

```
SELECT title, name FROM actor JOIN casting ON (actor.id = actorid)
JOIN movie ON (movie.id = movieid)
WHERE ord = 1 AND yr = 1962
```

Submit SQL

Restore default

#### Correct answer

title	name
A Kind of Loving	Alan Bates
A Symposium on Popular Songs	Paul Frees
A Very Private Affair (Vie Priv�e)	Brigitte Bardot
An Autumn Afternoon	Chishu Ryu
Atraco a las tres	Jos� Luis L�pez V�zquez
Barabbas	Anthony Quinn
Battle Beyond the Sun (D�j�D�� D��D���)	Aleksandr Shvritin

Harder Questions

### Busy years for Rook Hudson

#### 11. 🤔

Which were the busiest years for 'Rook 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 actor JOIN casting ON (actor.id = actorid)
JOIN movie ON (movie.id = movieid)
WHERE name = 'Rook Hudson'
GROUP BY yr
HAVING COUNT(title) > 2
```

Submit SQL

Restore default

#### Correct answer

yr	COUNT(title)
1961	3
1953	5

### 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'?

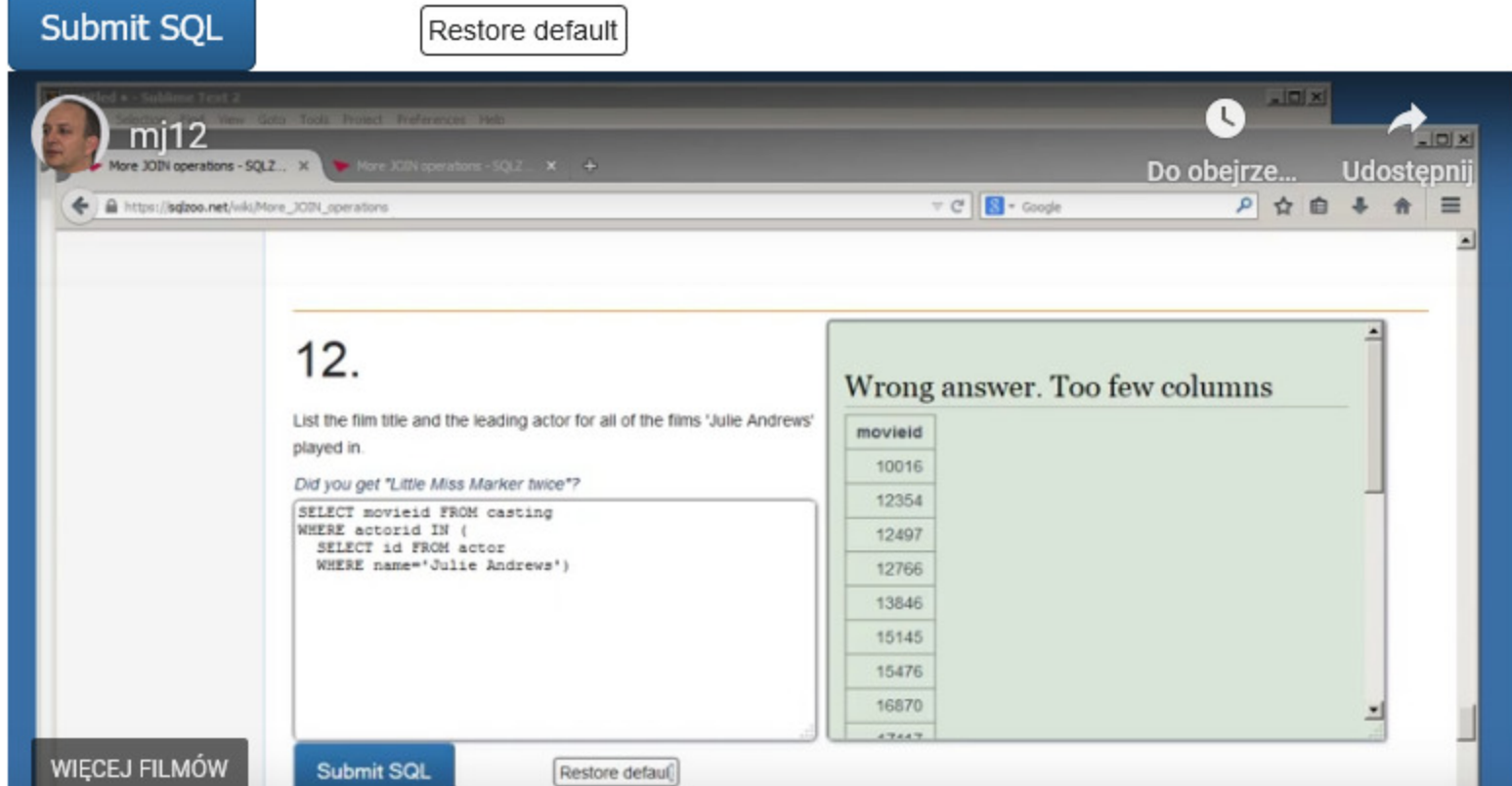
```
SELECT title, name FROM movie JOIN casting ON (movie.id = movieid)
JOIN actor ON (actorid = actor.id)
WHERE movie.id IN (SELECT movieid FROM casting
WHERE actorid IN (SELECT id FROM actor
WHERE name = 'Julie Andrews'))
AND ord = 1
```

Submit SQL

Restore default

#### Correct answer

title	name
10	Dudley Moore
Darling Lili	Julie Andrews
Despicable Me	Steve Carrell
Duet for One	Julie Andrews
Hawaii	Julie Andrews
Little Miss Marker	Walter Matthau
Mary Poppins	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 movie JOIN casting ON (movie.id = movieid)
JOIN actor ON (actor.id = actorid)
WHERE ord = 1
GROUP BY name
HAVING COUNT(movie.id) >= 15
```

Submit SQL

Restore default

#### Correct answer

name
Charles Bronson
Henry Fonda
Bruce Willis
James Cagney
John Cusack
G�rard Depardieu
Robert De Niro

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

Submit SQL

Restore default

#### Correct answer

title	COUNT(actorid)
The Bad News Bears Go to Japan	50
The Swarm	37
Grease	28
American Hot Wax	27
The Boys from Brazil	26
Heaven Can Wait	25
Big Wednesday	21

### with 'Art Garfunkel'

#### 15. 🤔

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

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

Submit SQL

Restore default

#### Correct answer

name
Mark Ruffalo
Ryan Phillippe
Mike Myers
Nave Campbell
Salma Hayek
Sela Ward
Breckin Meyer

Clear your results

JOIN Quiz 2

That is definitely enough. Students should, under no circumstances look at the next tutorial, concerning outer joins. :)

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