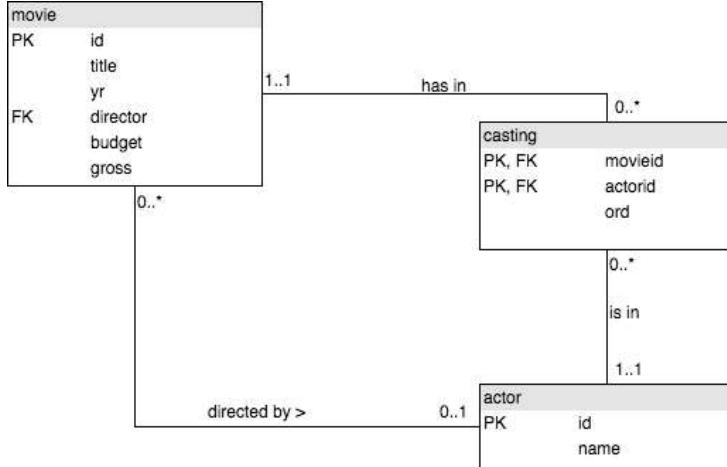


# More JOIN operations

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						actor		casting		
<b>id</b>	title	yr	director	budget	gross	<b>id</b>	name	<b>movieid</b>	<b>actorid</b>	<b>ord</b>



[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 SQL](#)[Restore default](#)

## Correct answer

id	title
121	To Kill a Mockingbird
479	Dr. No
1082	Music Man, The
1496	What Ever Happened to Baby Jane?
1751	Cape Fear

## When was Citizen Kane released?

---

2. 

Give year of 'Citizen Kane'.

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

Submit SQLRestore 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

<b>id</b>	<b>title</b>	<b>yr</b>
402	Star Trek: The Motion Picture	1979
209	Star Trek: The Wrath of Khan	1982
438	Star Trek III: The Search for Spock	1984
349	Star Trek IV: The Voyage Home	1986
472	Star Trek V: The Final Frontier	1989
410	Star Trek VI: The Undiscovered Country	1991
280	Star Trek: Generations	1994
68	Star Trek: First Contact	1996
252	Star Trek: Insurrection	1998

## 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

<b>id</b>
104

## 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
27

[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 name FROM actor
JOIN casting ON actor.id = casting.actorid
WHERE casting.movieid = 27;
```

**Submit SQL****Restore default**

## Correct answer

name
Humphrey Bogart
Ingrid Bergman
Claude Rains
Peter Lorre
Paul Henreid
John Qualen
Curt Bois
Conrad Veidt
Madeleine LeBeau

## Alien cast list

7. 

Obtain the cast list for the film 'Alien'

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

**Submit SQL****Restore default**

## Correct answer

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

## 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 casting.actorid = actor.id
WHERE actor.name = 'Harrison Ford';
```

[Submit SQL](#)

[Restore default](#)

## Correct answer

title
Star Wars
Star Wars: Episode V - The Empire Strikes Back
Raiders of the Lost Ark
Star Wars: Episode VI - Return of the Jedi
Blade Runner
Indiana Jones and the Last Crusade
Fugitive, The
Apocalypse Now
Indiana Jones and the Temple of Doom

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

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

## Correct answer

title
Star Wars
Star Wars: Episode V - The Empire Strikes Back
Star Wars: Episode VI - Return of the Jedi
Apocalypse Now
American Graffiti
Conversation, The

## Lead actors in 1962 movies

10.

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

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

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

## Correct answer

title	name
To Kill a Mockingbird	Gregory Peck
Dr. No	Sean Connery
Music Man, The	Robert Preston (I)
What Ever Happened to Baby Jane?	Bette Davis
Cape Fear	Gregory Peck

---

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

[Submit SQL](#)

[Restore default](#)

## Correct answer

yr	movie_title
----	-------------

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

```

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

mj12

The screenshot shows the SQLZOO interface. At the top, there's a navigation bar with links like 'Home', 'About', 'Contact', 'Help', 'Log in', and 'Sign up'. Below the navigation, there's a search bar with placeholder text 'Search the database' and a 'Search' button. A sidebar on the left lists 'Recent queries' and 'Recent databases'. The main area features a database diagram with tables: movie, casting, actor, and director. Relationships are shown between movie and casting, casting and actor, and casting and director. A tooltip 'Click to load content' points to the casting table. Below the diagram, there's a message 'More details about this database' and a 'Summary' section with a 'Let's go to work.' button. At the bottom, there's a footer with links to 'https://sqlzoo.net/wiki/Main\_Page' and 'https://sqlzoo.net/wiki/SQL\_in\_JDBC'.

## Correct answer

title	name
Sound of Music, The	Julie Andrews
Victor/Victoria	Julie Andrews
10	Dudley Moore

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

**Submit SQL****Restore default**

## Correct answer

name
Al Pacino
Arnold Schwarzenegger
Clint Eastwood
Harrison Ford
Robert De Niro
Robin Williams
Sean Connery
Sylvester Stallone
Tom Hanks

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

**Submit SQL****Restore default**

## Correct answer

title	actors
Death on the Nile	12
Capricorn One	11
Foul Play	11
Heaven Can Wait	11
Animal House	9
Boys from Brazil, The	9
Midnight Express	9
Superman	9

## with 'Art Garfunkel'

15. 😊

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

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

[Submit SQL](#)

[Restore default](#)

## Correct answer

name
Alan Arkin
Anthony Perkins
Bill Paxton
Bob Balaban
Bob Newhart
Buck Henry
Jack Gilford
Jon Voight
Julian Sands

[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))

Retrieved from "[https://sqlzoo.net/w/index.php?title=More\\_JOIN\\_operations&oldid=40107](https://sqlzoo.net/w/index.php?title=More_JOIN_operations&oldid=40107)"



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