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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

Movie4.png

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
10212	A Kind of Loving
10329	A Symposium on Popular Songs
10547	A Very Private Affair (Vie Privée)
10648	An Autumn Afternoon
10868	Atraco a las tres
11006	Barabbas
11053	Battle Beyond the Sun (Превосходство Фёдора)
11198	Big and Little Wong Tin Bar

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

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
17770	Star Trek: First Contact	1996
17771	Star Trek: Insurrection	1998
17778	Star Trek Nemesis	2002
17773	Star Trek	2009

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
142

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?

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

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

Submit SQL Restore default

Correct answer

name
Peter Lorre
John Qualen
Madeleine LeBeau
Jack Benny
Dan Seymour
Norma Varden
Ingrid Bergman
Conrad Veidt

Alien cast list

7.

Obtain the cast list for the film 'Alien'

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

Submit SQL Restore default

Correct answer

title
A Hundred and One Nights
Air Force One
American Graffiti
Apocalypse Now
Cloaked in Mercy
Cowboys & Aliens
Crossing Over
Dead Heat on a Merry-Go-Round

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 movie.title FROM actor JOIN casting ON (casting.movieid = movie.id) JOIN actor ON (casting.actorid = actor.id) WHERE actor.name = 'Harrison Ford' AND casting.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
Hawthorne of the U.S.A.

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 (casting.actorid = actor.id) WHERE movie.yr = 1962 AND casting.ord = 1
```

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 Privée)	Brigitte Bardot
An Autumn Afternoon	Chishu Ryu
Atraco a las tres	José Luis López Vázquez
Barabbas	Anthony Quinn
Battle Beyond the Sun (Превосходство Фёдора)	Aleksandr Shvorin
Big and Little Wong Tin Bar	Jackie Chan

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

Submit SQL Restore default

result

Lead actor in Julie Andrews movies

12.

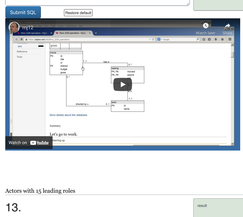
List the film title and the leading actor for all of the films 'Julie Andrews' played in.

Did you get "Little Miss Marker twice"?

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

Submit SQL Restore default

result



Actors with 15 leading roles

13.

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

Submit SQL Restore default

result

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

result

15.

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

Submit SQL Restore default

result

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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