

More JOIN operations

From SQLZOO

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Movie Database

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

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

More details about the database.

Summary

Let's go to work.

Limbering up

1.

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

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

Submit SQLRestore default

result

2.

Give year of 'Citizen Kane'.

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

Submit SQLRestore default

result

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

result

Looking at the id field.

4.

What are the titles of the films with **id** 11768, 11955, 21191

```
SELECT title FROM movie WHERE id in (11768, 11955, 21191)
```

Submit SQL

Restore default

result

5.

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

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

Submit SQL

Restore default

Correct answer

id
140

6.

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

7.

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**, this is the value that you obtained in the previous question.

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

8.

Obtain the cast list for the film 'Alien'

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

Submit SQL

Restore default

Correct answer

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

9.

List the films in which 'Harrison Ford' has appeared

```
SELECT title FROM movie JOIN casting ON (id=casting.movieid) JOIN actor ON (actorid=actor.id)
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
Dead Heat on a Merry-Go-Round
Extraordinary Measures

10.

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 (id=casting.movieid) JOIN actor ON (actorid=actor.id)
WHERE name='Harrison Ford' AND ord>1
```

Submit SQLRestore 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.
Jimmy Hollywood

11.

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

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

Submit SQLRestore default