## **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
id	<u>id</u>	movieid
title	name	actorid
yr		ord
director		
budget		
gross		

More details about the database.

Summary

#### Let's go to work.

Limbering up

1.

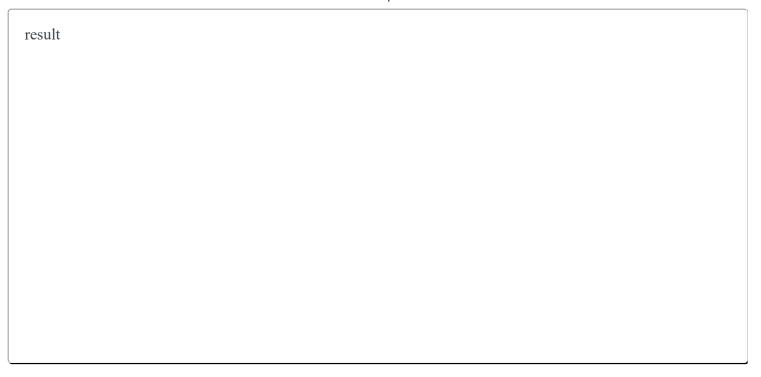
List the films where the yr is 1962 [Show id, title]

11/22/2016 More JOIN operations - SQLZOO SELECT id, title FROM movie WHERE yr=1962 Submit SQL Restore default result

Give year of 'Citizen Kane'.

SELECT yr FROM movie WHERE title='Citizen Kane'

Submit SQL



# 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

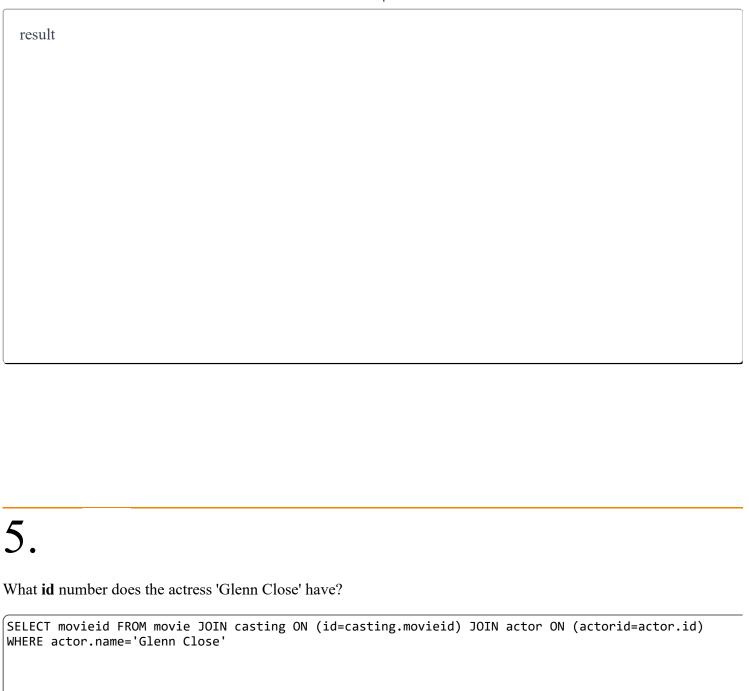
Submit SQL



Restore default

http://sqlzoo.net/wiki/More\_JOIN\_operations

Submit SQL



Restore default

http://sqlzoo.net/wiki/More\_JOIN\_operations

Submit SQL

Co	rrect	ang	swer
UU	HEGL		3 VV C I

**id** 140

# 6.

What is the id of the film 'Casablanca'

SELECT id FROM movie WHERE title = 'Casablanca'

Submit SQL

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

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

# 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

n	a	n	1	e

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

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 SQL

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 SQL