More Join Operations

1.

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

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

2.

Give year of 'Citizen Kane'.

**SELECT yr as year
FROM movie
WHERE title = 'Citizen Kane'**

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 as year FROM movie
WHERE title LIKE '%Star Trek%'
ORDER BY year**

4.

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

**SELECT id FROM actor
WHERE name = 'Glenn Close'**

5.

What is the **id** of the film 'Casablanca'

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

7.

Obtain the cast list for the film 'Alien'

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

8.

List the films in which 'Harrison Ford' has appeared

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

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

10.

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

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

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

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"?

Julie Andrews starred in the 1980 remake of Little Miss Marker and not the original(1934).

Title is not a unique field, create a table of IDs in your subquery

SELECT title, name FROM casting
JOIN movie ON movie.id = movieid

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

13.

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

```
SELECT DISTINCT name FROM casting
JOIN movie ON movie.id = movieid
JOIN actor ON actor.id = actorid
WHERE actorid IN (
SELECT actorid FROM casting
WHERE ord = 1
GROUP BY actorid
HAVING COUNT(actorid) >= 15)
ORDER BY name
```

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 casting
JOIN movie ON movieid = movie.id
WHERE yr = 1978
GROUP BY movieid, title
ORDER BY COUNT(actorid) DESC, 1
```

15.

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

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

QUIZ:

1. Select the statement which lists the unfortunate directors of the movies which have caused financial loses (gross < budget)

```
SELECT name
FROM actor INNERJOIN movieON actor.id = director
WHERE gross < budget
```

2. Select the correct example of JOINing three tables

```
SELECT *
FROM actorJOIN castingON actor.id = actorid
JOIN movieON movie.id = movieid
```

3. Select the statement that shows the list of actors called 'John' by order of number of movies in which they acted

```
SELECT name,COUNT(movieid)
FROM casting JOIN actor ON actorid=actor.id
WHERE name LIKE 'John %'
GROUP BY name ORDER BY 2 DESC
```

4. Select the result that would be obtained from the following code:

Crocodile" Dundee

Crocodile Dundee in Los Angeles

Flipper

Lightning Jack

5. Select the statement that lists all the actors that starred in movies directed by Ridley Scott who has id 351

```
SELECT name
FROM movie JOIN castingON movie.id = movieid
JOIN actor ON actor.id = actorid
WHERE ord = 1 AND director = 351
```

6. There are two sensible ways to connect movie and actor. They are:

- **link the director column in movies with the primary key in actor**

- **connect the primary keys of movie and actor via the casting table**

7. Select the result that would be obtained from the following code:

A Bronx Tale	**1993**
Bang the Drum Slowly	**1973**
Limitless	**2011**