

## Description

id	title	yr	director	budget	gross
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Table 1: movie

id	name
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Table 2: actor

movieid	actorid	ord
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Table 3: casting

### 1 1962 movies

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

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

### 2 When was Citizen Kane released?

Give year of 'Citizen Kane'.

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

### 3 Star Trek movies

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 ASC
```

### 4 id for actor Glenn Close

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

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

### 5 id for Casablanca

What is the id of the film 'Casablanca'?

```
SELECT id FROM movie
WHERE title='Casablanca'
```

## 6 Cast list for Casablanca

Obtain the cast list for 'Casablanca'.

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

## 7 Cast list for Alien

Obtain the cast list for 'Alien'.

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

## 8 Harrison Ford movies

List the films in which 'Harrison Ford' has appeared.

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

## 9 Harrison Ford as a supporting actor

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

## 10 Lead actors in 1962 movies

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

## 11 Busy years for Rock Hudson

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

## 12 Lead actor in Julie Andrews movies

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

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

Alternative Solution

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

## 13 Actors with 15 leading roles

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

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

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

## 15

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

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

Alternative Answer

```
SELECT DISTINCT d.name
FROM actor d JOIN casting a ON (a.actorid=d.id)
JOIN casting b ON (a.movieid=b.movieid)
JOIN actor c ON (b.actorid=c.id
and c.name='Art Garfunkel')
WHERE d.id!=c.id
```