

The database consists of three tables movie , actor and casting .

movie

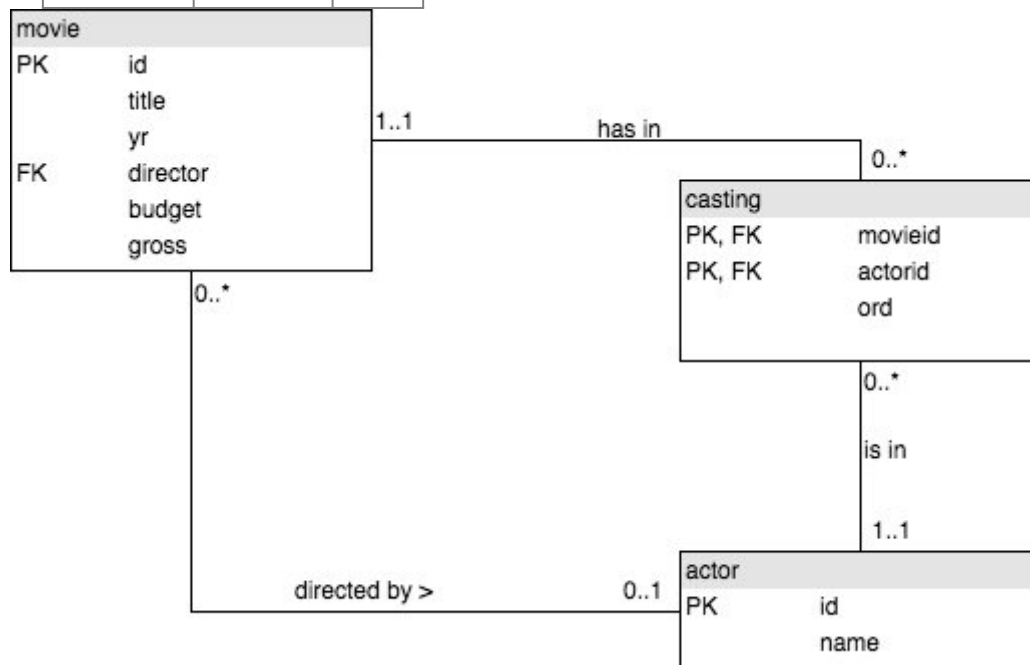
id	title	yr	director	budget	gross
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actor

id	name
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casting

movieid	actorid	ord
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1. List the films in which 'Harrison Ford' has appeared

SELECT title

FROM movie JOIN casting ON (movie.id=casting.movieid)

JOIN actor ON (casting.actorid=actor.id)

WHERE name='Harrison Ford'

Output

title

A Hundred and One Nights
Air Force One
American Graffiti
Apocalypse Now
Clear and Present Danger
...

2. 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 (casting.actorid=actor.id)

WHERE name = 'Harrison Ford' AND ord!=1

Output

title
A Hundred and One Nights
American Graffiti
Apocalypse Now
Cowboys & Aliens
Dead Heat on a Merry-Go-Round
...

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

SELECT title, name

FROM movie JOIN casting ON (movie.id=casting.movieid)

JOIN actor ON (casting.actorid=actor.id)

WHERE yr=1962 and ord = 1

Output

title	name
A Kind of Loving	Alan Bates
A Symposium on Popular Songs	Paul Frees
A Very Private Affair (Vie Priv�e)	Brigitte Bardot
An Autumn Afternoon	Chishu Ryu
Atraco a las tres	Jos� Luis L�pez V�zquez
...	

4. 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

Output

yr	COUNT(title)
1953	5
1961	3

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

```

Output

title	name
10	Dudley Moore
Darling Lili	Julie Andrews
Despicable Me	Steve Carell
Duet for One	Julie Andrews
Hawaii	Julie Andrews
...	

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

```

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

```

Output

name
Adam Sandler
Al Pacino

Anthony Hopkins
Antonio Banderas
Arnold Schwarzenegger
...

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

Output

title	COUNT(actorid)
The Bad News Bears Go to Japan	50
The Swarm	37
Grease	28
American Hot Wax	27
The Boys from Brazil	26
...	

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

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

JOIN casting ON movie.id=movieid

JOIN actor ON actor.id=actorid

WHERE actor.name='Art Garfunkel')

Output

name
Mark Ruffalo
Ryan Phillippe
Mike Myers
Neve Campbell
Salma Hayek
...