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MySQL exercise 4 – Intermediate SQL queries

General instructions:  
In this section, you will work on the IMDB database.

You will phrase a single query to answer each of the following questions. Make sure you write the simplest query possible. You are not allowed to create views.

Do the following for each question:  
a. Write down the query you run.  
b. Describe in a comment what results you got.

1. How many actors participated in the film “Aliens”?   
   a. select distinct count(actor\_id) from cast where movie\_id in (select id from movies where title = 'aliens');  
   b. 30
2. Which films Kevin Bacon participated in?   
   a. select title from movies where id in (select movie\_id from cast where actor\_id in (select id from actors where full\_name = 'kevin bacon'));  
   b. I got the names of all the films Kevin Bacon participated in?
3. Which actors have participated in a film with Kevin Bacon?   
   a. select full\_name from actors where id in (select actor\_id from cast where movie\_id in (select movie\_id from Cast where cast.actor\_id = (select id from Actors where full\_name = "kevin bacon"))) and full\_name != 'kevin bacon';  
   b. I got all the actors that have participated in a film with Kevin Bacon while excluding kevin bacon.
4. Which actor has the highest average wage? The column salary is within the cast table (Hint : you cannot use a function on a function)   
   a. select full\_name from actors where id = (select actor\_id from cast order by salary desc limit 1);  
   b. Grant James