

# Assignment 2: Basic Queries

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## Rules:

All the questions and the sample result sets in this assignment are based on **filmdb.sqlite** we have been uploaded in bb website.

- Your result set, especially the data type and the order of each column, must strictly follow the description and the sample result set in each question.
- You need submit ".sql" files for these six questions.
- The name of each ".sql" file should be q1, q2, q3, q4, q5, q6 respectively to represent these six questions.
- Do not forget to add ";" in the end of each query.
- Do not compress them into a folder, please submit them directly.
- Please submit those queries into **sakai website** as soon as possible, so that you can get chance to receive feedback before deadline. **After the deadline, we will check the assignment automatically by a script and then given your grade, at that time, any argument about your grade of this assignment will not be accepted.**

## Single table query

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1. List the non-US movies released in 1991 and with titles begin with "The" .

	title	country	year_released
1	The Adjuster	ca	1991
2	The Commitments	ie	1991
3	The Miracle	gb	1991

2. How many actors have acted more than 30 movies.

	cnt
1	25

3. What is the percentage of American films in all films in the 1970s. (The result should be expressed percentage and approximated to 2 decimal places )

	us_percent
1	42.93

## Multiple table query

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4. List the names of the known directors of 2016 films by ascending order (no need to display anything about the film). The film only from following regions: kr, hk, gb, ph. If the film is Korean(kr) or HONG KONG(hk), the name should be displayed as surname followed by first name, otherwise it must be first name followed by surname.

hint: Note that `coalesce()` is required in this version, otherwise all the directors who are only known by one name have a null row returned for them. use

`coalesce(first_name, ' ')` and don't forget to place a single space between surname and first name.

16 rows		
	director	
1	Amma Asante	7 Hur Jin-ho
2	Andrea Arnold	8 Ken Loach
3	Cheang Pou-soi	9 Kim Jee-woon
4	Cho Ui-seok	10 Kim Seong-hun
5	Colm MacCarthy	11 Lav Diaz
6	Geng Jun	12 Lee John H.
7	Hur Jin-ho	13 Na Hong-jin
		14 Park Heung-sik
		15 Stephen Frears
		16 Susanna White

5. List all films made after 2000 (including 2000) with the max number of actors borned after 2000 (including 2000).

you can use subquery factoring: `with ... as (...)`

The result set would be multiple rows if more than one films have max number of actors

	movieid	cnt
1	7481	4

6. List the number of different actors who have been played in the same movie with Yifei Liu (Yife herself is not included).

	count
1	6