CS307 · Database

Assignment 1

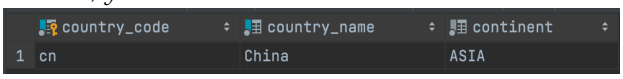
Name / SID

October 29, 2021

Using databse filmdb_all.sql which can be find in **week 7 lab session** for following sql questions.

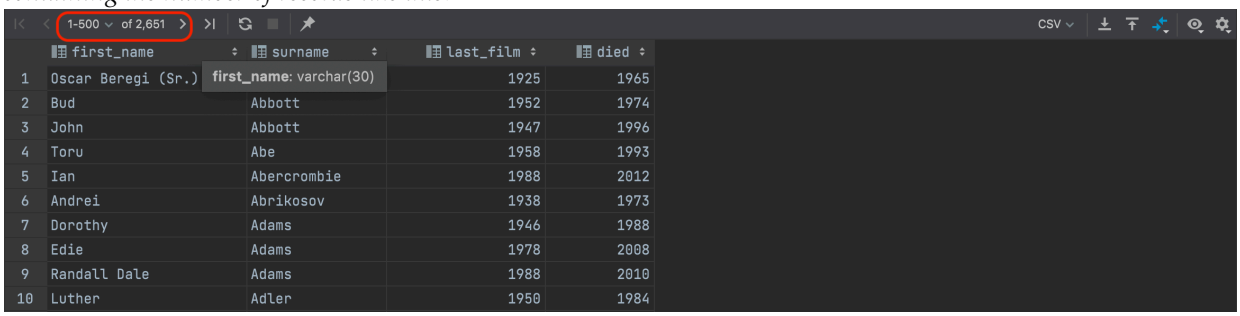
Please submit all the answers in single pdf file that contains your *SQL query sentence* and *screenshot of your query result* to BlackBoard, results longer than 10 records can only contained the first 10 result and the total count on the left corner of query result.

If the qurey result is less than records, your screenshot should like this:



	country_code	country_name	continent
1	cn	China	ASIA

if the records is over 10 (please check the number shown in the header of your result), please submit a screenshot containing the number of records like this:



1-500 of 2,651 CSV

	first_name	surname	last_film	died
1	Oscar Beregi (Sr.)		1925	1965
2	Bud	Abbott	1952	1974
3	John	Abbott	1947	1996
4	Toru	Abe	1958	1993
5	Ian	Abercrombie	1988	2012
6	Andrei	Abrikosov	1938	1973
7	Dorothy	Adams	1946	1988
8	Edie	Adams	1978	2008
9	Randall Dale	Adams	1988	2010
10	Luther	Adler	1950	1984

first_name: varchar(30)

1 Regular Aggregate functions used as Window functions

1.1

What is the most recent film (title and year) for every Asian country, ordered by country?

1.2

Countries in the database with more films than the average, with a common table expression and with a window function

1.3

Which percentage of the films of the database does every country represent, ordered by increasing percentage? (use a Window function)

2 Ranking

2.1

What are the title and year of the ten most recent films from China?

2.2

What is by continent the country with the most movies in the database?

2.3

What are, by country, the top three actors that are found most often in films from China, the United States, France, Italy and India?

2.4

Modify the preceding query to get for the same countries the top three actors that have appeared more than 3 times since 2010 (included)

3 Other Window functions

3.1

For countries for which we have at least 20 films released in 2010 or later, display for each year the year, the name of the country, the number of films, and the percentage variation since the preceding year (use the lag() function)