



[KTH](#) / [KURSWEBB](#) / [DATABASTEKNIK FÖR D](#) / LAB #1

Lab #1

You must solve every problem to pass. Lab assistants will only record your passing completely.

Write and execute the following queries over the database you built in lab0.

No use of temporary tables! No use of PL/PostgreSQL. Note these queries are not necessarily presented in order of difficulty.

1. Give the name of the capitals of all the countries that border the Baltic Sea.
2. Give the name and area of the world's northernmost desert.
3. Generate a table of all the mountain ranges that contain at least 3 mountains and the number of countries each range touches.
4. Which hemisphere has the largest lake/desert area ratio, the eastern or the western?
5. Generate the continent names and the number of cities on each continent that are situated no more than 35 degrees from the Equator, for those continents that have an land area above 9000000 sq km.
6. List the number of rivers for each European country in descending order.
7. Names of the organizations in Europe containing the word 'Nuclear', with an unknown date of establishment.
8. Show a list of country name and projected populations in 10, 25,50 and 100 years if current demographic trends continue unabated.
9. Create a view EightThousanders(name,mountains,height,coordinates) which includes the mountains over or equal to the height of 8000 meters. Query for the countries including EightThousanders. Try to avoid materializing the whole Mountain relation. Verify via EXPLAIN ANALYSE.
10. Give names of all the countries (recursively) reachable from Sweden via borders

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Alexander Lingtorp kommenterade | för 2 timmar sedan

Did anyone figure this out?

[...](#) eller skriv ett nytt inlägg

Hela världen får läsa.

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