Exercise for *Database System Concepts for Non-Computer Scientist* im WiSe 19/20

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http://db.in.tum.de/teaching/ws1920/DBSandere/?lang=en

Sheet 07

Exercise 1

Answer the following questions on our university database using SQL:

(a) Which *Professors* does Xenokrates know from attending their *Lectures*.

(b) Which *Lectures* are attended by *Students* in the 1.-4. semester? Print only the title of the lectures.

(c) Find all *Students* that attend at least one *Lecture* together with Fichte.

Exercise 2

Answer the following questions on our university database using SQL:

a) Figure out the average semester of the all students.

b) Determine the average semester of students that attend at least one lecture of *Sokrates*.

c) Calculate how many lectures students are attending on average. Students who do not attend any lecture should be reflected in the result as well. If you get stuck, see hints: [1] [2]

d) Calculate how many lectures each student is attending. Students who do not attend any lecture should be included in the result as well (*attend_count* = 0).

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[1] Remember that the from clause is optional ('select 1.0 / 2.0;' is a valid query).

[2] Remember that you can use sub-queries in the select clause.