Advanced data Technologies Lab 2

For the following results, output screenshots are made with the French version of the software interface, I hope it will not be a problem.

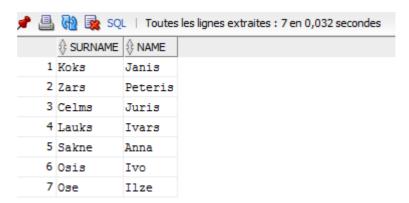
Query file containing the following queries is querry.sql.

Your task is to write SQL statements that complete the following tasks:

1. (Easy) Retrieve list of students in the form of one field that contains both name and surname in the form "SURNAME, Name".

select st_surname as SURNAME, st_name as Name

from students;

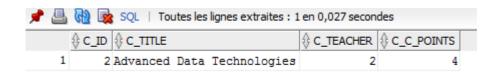


2. (Easy) Find all curses whose names contain word "Data".

select *

from courses

where C title like '%Data%';



3. (Easy) Retrieve all students that have average mark above 8.

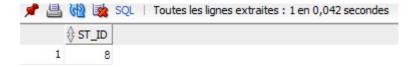
select st id

from students, grades

where st id=g student

group by st_id

having avg(g_grade)>8;



First join tables then group by student and filter according to the average mark.

4. (Medium) Retrieve all students that have at least one grade below 4.

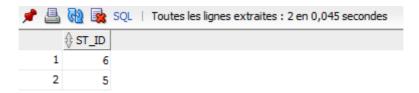
select st_id

from students, grades

where st id=g student

group by st_id

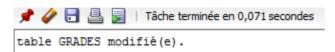
having min(g grade)<4;



First join tables then group by student and check the grades. If the minimum grade is below 4, the student has at least one grade below 4.

5. (Hard) Add a constraint specifying that the grade must be between 1 and 10. alter table grades

add constraint g_grade CHECK ((g_grade >= 1) and (g_grade < 11));



Add a check constraint to this column.

6. (Easy) Drop one table.

drop table grades;

