

## Task 3

Save Tasks 3.1 to 3.3 as TASK3\_<your name>.ipynb

Each entry in results.txt contains each student's name, class group, subject and the grade for the corresponding subject

### Task 3.1

Create a table Results in results.db that uses each student's name, class group, subject and the grade for the corresponding subject as columns, using appropriate primary and foreign keys.

[3]

### Task 3.2

Insert the information found in results.txt into the Results table.

[4]

### Task 3.3

To be promoted, a student will have to score at least E in at least 2 subjects excluding GP, and score at least S in at least 4 subjects including GP. Write a query that extracts the name of all students in class 25/03 that can be promoted, and prints each student promoted.

[5]

### Task 3.4

Save your work for this task under TASK3\_4\_<your name>

Create a web app that allows teachers to search for which students are eligible for a H3 subject. To be eligible for a H3 subject, a student needs to score A in the corresponding subject in addition to being promoted. The web app has a form to ask the user for a H3 subject to search for. If nothing is entered on the form, display the name and class group of students who are able to be promoted, grouped by class. If a H3 subject is entered on the form and no students are eligible for it, show "No students are eligible for H3 <subject name>". However, if there are students eligible for it, display the name and class group of students who are eligible for the H3 subject that is being searched.

[11]