Lab 11

Sqlite

[Compulsory]

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This lab's goal is to get familiar with sqlite.

11.1 Task

You find on Canvas the file *score2.txt* you are familiar with from lab 2:

```
upg. 1 Nils Johansson 1
upg. 1 Maria Johansson 2
upg. 1 Anna Andersson 0
upg. 1 Karl Eriksson 2
upg. 1 Nils Eriksson 1
   ...
   ...
upg. 100 Anders Persson 2
upg. 100 Maria Persson 1
upg. 100 Kristina Persson 2
```

Tasks:

1. Write a python program that imports the file into two database tables according to the instructions given in the lecture on sqlite (on the slides are also some more requirements that are not mentioned here, as well as numerous hints).

(a) The table *persons* shall contain identity, given name and second name.

(b) The table *scores* shall contain task number, number of points and (person's) identity.

2. Formulate SQL queries that do the following:

(a) List the 10 persons who have the highest number of total points.

(b) List the 10 most difficult tasks, that is, the 10 tasks which have minimal total points.

3. Your program shall print the results of the SQL-queries from step 2), and, on demand, it shall be able to print the tables that are generated in step 1).

Hints

See lecture on sqlite.

11.2 Examination

Submit your python program on Canvas and present it to your lab assistant.