Lab 2

Python: Containers

[Compulsory]

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This lab's goal is to continue to learn the basics of python programming. You exercise, among other aspects, to read files and to use associative tables (dictionaries).

2.1 Task

Under *Canvas->Modules->Labs* you find the file *score2.txt*. It contains information on Exercise number, name and points for a number of fake students, according to the following format:

```
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
```

Every person (first name + last name) occurs many times. The last entry in every row is a number of points (a number between 0 and 2).

Download the file to your folder. Write a python program that reads the file and computes the total number of points per person. Your program shall print the name of the person(s) who got most points, and how many points.

2.1.1   Hints

Read the file row by row. Split the rows with `split()`, which should deliver a list with five elements ("upg.", number, first name, last name, and points). Use a dictionary that maps names (first+last) to points.

2.2   Examination

Submit your file on Canvas->Assignments->Lab02. Attach a comment to your submission indicating the winner(s) and the winner's score. No oral presentation is required for this lab.