Programming A
5th Weekly Note (E13, Week 40)

Exam Project Part 1

Please remember the project deadline (October 4, 23:59). Get started, if you have not already!

Reading for Week 40

- Chapters 13-17 of "Think Python: How to Think Like a Computer Scientist"

Project Support: Wednesday, October 2, 08-12 (IMADA terminal room)

You will find 1-2 teaching assistants during this time in or around the IMADA terminal room. If you do not recognise any, the code word is "Slartibartfast".

Lecture: Monday, September 30, 08-10 (U110)

In this lecture, we first repeated the basic ideas of the dictionary data structure. Then we introduced tuples and started on obtaining an understanding for which which data structures are useful in which situations.

Lecture: Thursday, October 3, 12-14 (U140)

We will start by repeating and extending what we learned about strategies for selecting data structures, i.e., we tried to get a better understanding for when to use which (combination of) data structures. In the second part of the lecture, we extend our knowledge about file handling and introduce the use of simple databases.

Study groups: see personal schedule

Use your study group to reflect on your experience with the first part of the project and to get or receive help, depending on how far you have gotten with it. Start by individually reflecting on the project and identify each 3 challenges that you encountered during the project. Mark them as "SOLVED" or "PENDING" depending on whether you found a solution yet. Challenges can be both technical or process-oriented. An example could be "understanding how to identify the base case" or "writing a report for a computer science course". Be as concrete as possible.

Collect the challenges in the group and cluster similar ones, e.g. on a blackboard or whiteboard. If there is a cluster that contains both SOLVED and PENDING challenges, team up those that marked the challenge SOLVED with those that marked it PENDING in order to see how their solution can be transferred.

If a cluster contains only PENDING, discuss it in the group and try to find a solution. If this takes too long, split up in smaller groups and work separately until you find a solution (or give up) and communicate it to the other groups. Afterwards, continue with the next challenge.

Exercises: see detailed schedule on course home page

Discuss the solution to the Exercises in Chapter 13 from the textbook. You may use the file `book.py` available from the course home page. Then discuss and do Exercise 13.9 as well as Exercises 14.1–14.4.