

Programming A

3rd Weekly Note (E12, Week 38)

Exam Project Part 1

There are two projects to choose from: one called “Fractals and the Beauty of Nature” and “From DNA to Proteins”. You find the description on the course home page:

<http://www.imada.sdu.dk/~petersk/DM536/#project>

Reading for Week 38

- Chapters 7-10 of “Think Python: How to Think Like a Computer Scientist”

Lecture: Monday, September 16, 10-12 (U46)

We will start by repeating the idea of recursive functions. Please take a look at the slides from the previous lecture and try to understand what questions you want to ask during the lecture.

Then we will learn about programming using iteration (while loops and for loops). Finally, we will learn how to work with strings by understanding them as sequences of characters.

Lecture: Thursday, September 19, 12-14 (U50A)

First, we will introduce the first part of the exam project.

Then we will deepen our understanding of strings as sequences and learn about other sequences in Python, in particular about lists.

Exercises: see detailed schedule on course home page

Start with Exercises 7.1–7.5. Then do Exercises 8.1, 8.4–8.7, and 8.12 from the textbook.