Exercise 7

Last update February 18, 2023

This exercise sheet must be handed in via LearnIt.

You solve the assignments in your groups.

Your name must be part of the filename, e.g., `FP-07-<name1>-<name2>.fsx`.

An example: `FP-07-MadsAndersen-HugoHansen.fsx`.

You can only upload one file and it must be of type `fs` or `fsx`.

It is important that you annotate your own code with comments. It is also important that you apply a functional style, i.e., no loops and no mutable variables.

For this hand–in you also need to consider scenarios where your solutions should return an error, i.e., an exception. The requirement is, that no matter what input you pass to your function that fulfils the function type, then the function should return the intended answer or an exception. It is up to you to define the exceptions and whether they should carry extra information, like error messages.

In case you want to check your solutions with CodeJudge, then start with the `template07.fs` file. Assignments marked with (CJ) are covered by tests in Code Judge.

Exercise 7.1 HR exercise 9.1

Exercise 7.2 HR exercise 9.3. (CJ)

Exercise 7.3 HR exercise 9.4. (CJ)
   One iterative declaration is enough.

Exercise 7.4 HR exercise 9.6. (CJ)

Exercise 7.5 HR exercise 8.6. (CJ)
   This to be used in the next task.

Exercise 7.6 HR exercise 9.7. (CJ)