

- Please write all your Haskell functions from this exercise sheet into a single `.hs`-file for Exercise 10.1, and two files `Year.hs` and `Picture.hs` for Exercise 10.2, and upload them to OLAT.
- For Exercise 10.1 you can use a template `.hs`-file.
- For Exercise 10.2 there are two files available: `Calendar.hs` contains the Haskell-source from the lecture that need to be decomposed and modified; and `MCalendar.hs` is the testing file that should not be altered.
- All files are available from the proseminar homepage.
- All submitted files should compile with `ghci`.
- Once the files have been uploaded, they cannot be changed or resubmitted!

Exercise 10.1 *Live Exercise*

1. Implement a function `prefixes` that computes all prefixes of a list using `foldr`.
Example: `prefixes [1,2,3,4] = [[], [1], [1,2], [1,2,3], [1,2,3,4]]`
2. Implement a function `suffixes` that computes all suffixes of a list using `foldl`.
Example: `suffixes [1,2,3,4] = [[1,2,3,4], [2,3,4], [3,4], [4], []]`
3. Evaluate the expressions `foldl (-) 6 [1..3]` and `foldr (-) 6 [1..3]`. Do they both return the same result? Why or why not?