

- Mark your completed exercises in the OLAT course of the PS.
- Upload your .hs-file of Exercise 0.1.4 in OLAT.
- Write down the outputs of Exercises 0.1.2 and 0.1.6 on a sheet of paper, make a photo or scan, and upload the image in OLAT as well.

Exercise 0.1 *GHC setup***0 p.**

Setup a working Haskell environment on your computer. To do this follow these steps:

1. Install the Haskell platform¹
2. Run `ghci` in a terminal and evaluate the expression `5 + 2 - 3`
3. Find and install a suitable text editor for your system to write and edit .hs files². You can try one of the following free editors:
 - Atom³ (Windows, macOS, Linux)
 - Notepad++⁴ (Windows)
 - Gedit⁵ (Windows, macOS, Linux)
4. Copy the following code to your text editor and save it to a file called `Example.hs`:

```
hello :: String -> String
hello xs = "Hello " ++ xs
```
5. Load the file in `ghci` with the command `ghci Example.hs`
6. Run the statement `hello "World"`

You can find links to introductory material about `ghci`, the command line, etc. on the lecture homepage⁶.

¹<https://www.haskell.org/platform/>

²Word processors like Microsoft Word, Apple pages,... are not text editors.

³<https://atom.io/>

⁴<https://notepad-plus-plus.org/>

⁵<https://wiki.gnome.org/Apps/Gedit>

⁶http://c1-informatik.uibk.ac.at/teaching/ws20/fp/ghc_setup.php