Install You a Haskell for Great Good!
Informatics 1 – Introduction to Computation
Functional Programming Tutorial 1

Week 1 (16-20 Sep.)

Attendance at tutorials is obligatory; please send email to lambrose@ed.ac.uk if you cannot join your assigned tutorial.

Welcome to your first functional programming tutorial. This document will explain how to get started writing Haskell. *Please go through the entire notebook in advance of the tutorial; answer the questions when needed or take some personal notes.*

The main purpose of the present tutorial is to familiarise yourselves with writing and using Haskell. You will be shown how you can use Jupyter Notebook to write Haskell program and run it interactively. It is also important that you are able to write and run Haskell code locally on a text editor. The Jupyter Notebook is an open-source web application that allows you to create and share documents that contain live code, equations, visualizations and narrative text (https://jupyter.org/).

- Log into Learn (https://www.learn.ed.ac.uk). Go to *Informatics 1 - Introduction to Computation (2019-2020)[SEM1]* course.
- Go to the *Haskell* tab on the left and click on *Noteable - Jupyter Notebook for Haskell*.
- Start a new *Haskell Notebook*.
- Select the *Assignments* tab.
- Select *Fetch* besides the *FP-Tutorial1*. Please, ignore the *Submit* button next to the assignment.
- Switch to the *Files* tab under the *Home* tab, navigate inside the new folder until you find *Pull repository.ipynb* and open it.
- You are now in a Python Notebook with a script that fetches the actual assignment. Put your cursor in the first cell. Press [SHIFT] + [ENTER] to run.
- Tutorial 1 is now cloned from a GitHub repo; close the Python Notebook page, go the *Files* tab (on the *Home* page); navigate to the root folder and open the Haskell Notebook *Tutoral 1.ipynb* under the *INF1-Tutorial1-Jupyter-Notebook* folder.
- Follow the instructions on the Tutorial 1 Notebook.
- Make sure you complete the *Install you a Haskell* session from Tutorial 1.