CS 451
Programming Assignment #4
Haskell

Due 3/15/19, by 6:00am sharp!

The goal of this assignment is to get acquainted with the Haskell functional programming language.

(1) Repeat Assignment 3 in Haskell.
(2) Using the style we study in class, write a lazy Fibonacci number generator in Haskell.

What to hand in

(1) As a comment added to the end of your sieve code include the output of the call
    \[ \text{filter2 \ (make-list \ 2 \ 100)} \]
along with 2 other well-explained tests of your code.
(2) Upload both sieve.hs (with output examples and comments) and fib.hs to Moodle.

Notes

(1) Don’t forget the header comment for each function of more than one line. Such comments describe
    the function’s purpose, arguments (inputs), and result (what the function returns).
(2) You might want to write a function the generates the Fibonacci numbers from 1 to 10 or some such.
(3) The name \text{filter} is used by Haskell, so use the name \text{filter1} instead.