University of Central Florida

School of Electrical Engineering & Computer Science

COP4020: Programming Languages I
Spring 2014

Programming project #5 (Haskell- part 1)

Due : April 11th, 11:59PM

In this assignment you will writemost of the functions that were in homework 3, but implement them using Haskell.

Attached is a setup guide for Haskell as well as several resources. As always there are plenty of other sources online. Also attached is HW5.hs that already includes function definitions of what you will be writing. You will fill out the functions below each definition.

General Guidelines:

1. If a library function exists doing what the homework is asking for, do not use it. (e.g. listSum)
2. Use the function definitions given in HW5.hs. Do not modify them.
3. Using higher order functions such as map and foldr is encouraged for more elegant and shorter solutions.
4. Most solutions should only take 2-4 lines of code. Haskell is list friendly so the code will be simple.
5. Look up tail-recursion for Haskell. Many of the solutions utilize it.

Submission: You will submit your edited HW5.hs through Webcourses.