CIS 623 Exercises 3: Working Some Basic Problems

Complete this by class time Monday January 29

Background Reading

These exercises are based on the first five chapters of *Learn You a Haskell for Great Good*.

Problems: Part I

Do the problems in **edinburghTutorial2** on

    http://camlback.cs.ucla.edu/

Alternatively, you can do these problems in the file

    http://www.cis.syr.edu/courses/cis623/code/exer3.hs

and use the quickCheck tests in that file.

Some problems do not have quickCheck tests included. For those problems, craft your own tests.

Useful Library Functions   Look in

- http://hackage.haskell.org/package/base-4.10.1.0/docs/Prelude.html

- http://hackage.haskell.org/package/base-4.10.1.0/docs/Data-Char.html

- http://hackage.haskell.org/package/base-4.10.1.0/docs/Data-List.html

Pay particular attention to: chr, drop, elem, error, head, isAlphNum, isAlpha, isDigit, isLower, isSpace, isUpper, length, lookup, mod, not, ord, splitAt, sum, tail, take, toUpper, unzip, and zip. Many of these are discussed in the first half of Chapter 7 of LYAH.

Problems: Part II

Do the first three problems under **edinburghTutorial5** on

    http://camlback.cs.ucla.edu/