Functional Programming

Assignment Week 2

# Week 2

I learned in week 2 how to concatenate a list and a string. I also learned how to use recursion method instead of already implemented function. Description next page.

# Caesar Cypher

## Code

In normalize function I used String.cons and String.uncons instead of converting string to list. And used recursion to filter out list of non letters

Text

Description automatically generated

And I use the same String.cons and String.uncons in encrypt functions and use recursion to encode

Text

Description automatically generated

## Unit Test

## A screenshot of a computer Description automatically generated with medium confidence

# Pythagoras

## Code

Unlike Caesar Cipher code I use concatenate list instead of string.

Text

Description automatically generatedText

Description automatically generated

## Unit Test

Text, letter

Description automatically generatedText, letter

Description automatically generated