Haskell intro

Assignment 2

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Contents

1 Design/Implementation

1.1 Choice of Parser combinator Library

We decided to use **Parsec** because of the better error handling capabailities compared to **ReadP**.

1.2 Whitespace

We decided to remove leading whitespace and trailing whitespace to parse the tokens, this we do by using a function 'parseLeadingWhitespace' and 'parseWhites-

pace' which take care ok removing the whitespaces, newlines and other characters which can't be parsed.

1.3

2 Code Assessment

We are relatively confident that we

2.1 Tests

We wrote overall 68 Tests which either Test more Complex expressions or the very basic functionality of the parser. For that we also had to write a 'ParserUtils.hs' file which has some utilities for calling the actual functions for testing (like 'parseNumber'), for ArrayComprehensions on the other side we used the 'parseString' function directly since we walked into the Problem that calling 'parseArrayCompr' wasn't possible right away, so we went the easy way and used 'parseString'.

2.2 Test Coverage

2.3 OnlineTA

A Code Listing

B Tests