

Week 7 Exercises

FIT2102 Programming Paradigms

Requirements

Complete all the exercises as per the instructions found in the code files. All tests must pass. There must be no compilation warnings or errors.

Recommended order:

- `BinTree.hs`
- `Parser.hs`

Parsing function type

The type of these functions are of the form

`String -> Maybe (String, a)`

where `a` is the type of the value we are parsing into (also see <https://tgdwyer.github.io/haskell2/#type-parameters-and-polymorphism>).

The order of the tuple `(String, a)` is not obvious at this time, but in later weeks we will see why this is useful.

- The `String` type values represent the input to be parsed, and the remainder of the string, respectively.

The `Maybe` type is used to represent the possibility of failure in parsing (also see <https://tgdwyer.github.io/haskell2/#maybe>).