

My Report

Me

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Abstract

We give a toy example of a report in *literate programming* style. The main advantage of this is that source code and documentation can be written and presented next to each other. We use the listings package to typeset Haskell source code nicely.

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1 How to use this?

To generate the PDF, open `report.tex` in your favorite L^AT_EX editor and compile. Alternatively, you can manually do `pdflatex report`; `bibtex report`; `pdflatex report`; `pdflatex report` in a terminal.

You should have `stack` installed (see <https://haskellstack.org/>) and open a terminal in the same folder.

- To compile everything: `stack build`.
- To open `ghci` and play with your code: `stack ghci`
- To run the executable from Section ??: `stack build && stack exec myprogram`
- To run the tests from Section ??: `stack clean && stack test --coverage`

```
module Main where

main :: IO ( )
main = putStrLn "Hello, no menu yet, sorry!"

-- putStrLn $ "Ok" ++ name ++ "!"
-- putStrLn "How old are you?"
-- formula <- getLine
-- case readMaybe ageInput of
--     Just age | age >= 0 && age <= 111 -> do
--         let earlyBirthYear = (2025 :: Int) - age
--         let lateBirthYear = earlyBirthYear - 1
--         putStrLn $ "Ah, so you were born in " ++ show lateBirthYear ++ " or " ++
--             show earlyBirthYear ++ "."
--     _ -> putStrLn "Sorry, that is not a number."

{-
We can run this program with the commands:

stack build
stack exec myprogram
-}
```

2 Conclusion

Finally, we can see that [?] is a nice paper.