

Exercise 4

■ Task 1

- Take <https://gitlab.com/ntnu-tdat3020/assembly-example> as a starting point
 - Change the output to “Hello World from Trondheim!”
 - This message is to be written three times to [standard error](#) (instead of [standard output](#)). Verify that the program outputs to standard error instead of standard output.
 - The program is to return an error code. Also verify this.

■ Task 2 (see next slide)

- In C, C++ and Rust write a function that takes a string as input, and returns a new string equal to the input but where `&`, `<` og `>` is replaced respectively with `&`, `<` og `>`
 - Write examples with outputs where you use this function in the `main()` functions in the various programming languages

■ Task 3

- Follow the instructions [here](#) to make a dynamic library and to reference this library from the executable `c_example`
- In the function `another_function` there is a typing error. Fix this, update the dynamic library containing this file, and run `c_example` again (without recreating `c_example` after you fixed `another_function`). What is the result?