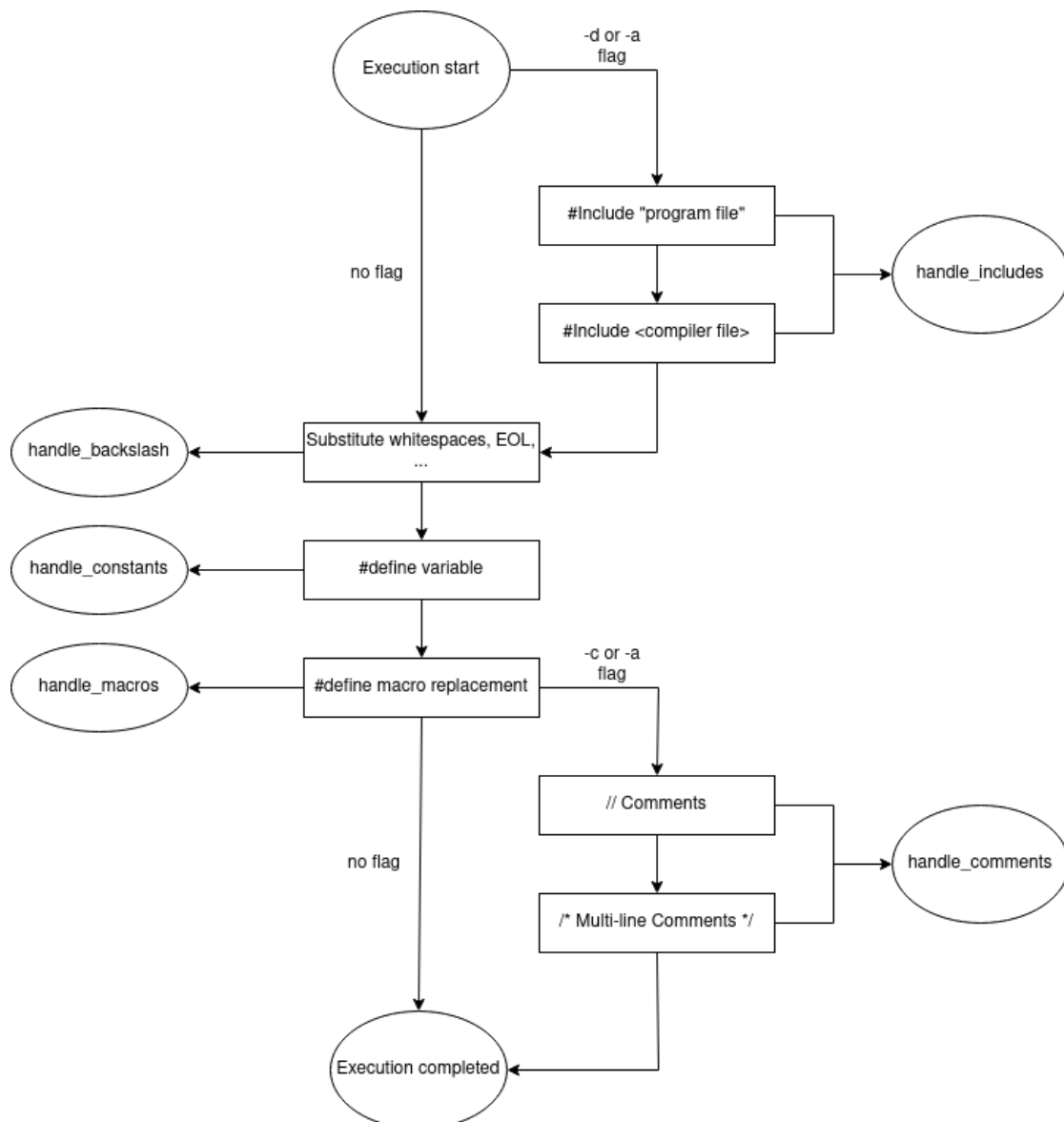


1. File Distribution

- main.c
- handle_includes (.c / .h)
- handle_backslash (.c / .h)
- handle_constants (.c / .h)
- handle_macros (.c / .h)
- handle_comments (.c / .h)



We have decided to distribute our preprocessor in the specified modules.

Our preprocessor first will ensure there is an input program file to process, then it will read the flags if there are any and enable them for the different modules to work.

After correctly processing the program file as a string of characters it will then pass it to the `handle_includes` module if enabled by the replace directives flag “-d” or the all directives flag “-a”.

The preprocessor will then proceed to make use of the `handle_backslash` module, the `handle_constants` module and the `handle_macros` module independently of the flags.

Finally, if enabled by the replace all directives flag “-a” or the replace comments flag “-c”, the preprocessor will proceed to use the `handle_comments` module.

handle_includes: The `handle_includes` module will have a `handle_program_files` function to process includes of the form `#include “ ”` that will be called first, and then a `handle_compiler_files` function to process includes of the form `#include <>`. It also will make use of an auxiliary function `fetch_directory` to search the directory in a specified path for a specified file in order to find the files which the preprocessor will substitute the include with.

2. Responsibilities

- **handle_includes:** Marcel Aranich and Arnau Solans