BRIGADA DE LOS AZTECAS.

COMPILER.

USER MANUAL.

User manual.

1. To start with the compiler installation in our computer must take into account the following considerations.
    - We must have installed Elixir version 1.11.12
    - We must have installed gcc for architecture of 64 bits.

2. The compiler of the Brigada de los Aztecas is on a GitHub repository, for what we need to consult the next link, to download the .zip folder or clone the repository in our computer through Visual Studio, terminal or the IDE of your preference. https://github.com/hiphoox/c211-aztecas.git

3. Once the last points done, we access to a terminal where we should type the following commands.

    3.1 We will locate on the carpet where the compiler is.

    - cd 'location of the folder c211-aztecas'

    3.2 We create a script with the following command.
    - mix escript.build

    3.2.1 We must consider that in this point some errors can be generated but they can be corrected easily.

    - If it shows the "rax" register is not compatible, we should go into the code_genertor.ex archive that is located in the lib. folder and we must change that register for "eax".
    - Maybe the gcc is wrong installed, so that must be reinstalled correctly.

    3.3 In case of not have any error or having corrected them, we could run the following command to see the options that the compiler has.
    - escript nqcc -h

    3.3.1 These are the options that will be shown.
    - -c -> Compile the program.
    - -a -> Generate assembler.
    - -t -> Generate AST tree.

- -l -> See tokens list.

3.3.2 Once we select the option, we should introduce the next command.

- escript nqcc –selected option ./examples/'example name'

3.4 Once it is compiled the archive will generate an executable.

3.5 We can see the result through the next commands.

- echo %errorlevel%
- echo $?
- echo $status

3.6 We can run the tests automatically with the following command.

- mix test