



PROJECT PLAN. WRITING A C COMPILER. WEEK 4.

Code Synaptics.

January 12, 2022
Compilers, Group 5.

Customer:
Ortigoza Marquez Norberto Jesús

Code Synaptics Team:
Argüello León Dante Moisés (PM)
Carreto Velázquez Miguel Ángel (System Architect)
Pérez Quintana Arturo (System Integrator)
Recinas Barajas Carlos Eduardo (Programmer)
Robledo Aguirre Eduardo (Tester)

NQCC Compiler. Week 4

Objective. Implement the fourth part of Nora Sandler's C compiler using Elixir, by the end of the fourth version, we will be able to compile the following binary operators, and all the W1, W2 and W3 cases.

- Logical AND `&&`
- Logical OR `||`
- Equal to `==`
- Not equal to `!=`
- Less than `<`
- Less than or equal to `<=`
- Greater than `>`
- Greater than or equal to `>=`

Project Plan

Date or Period	Activities	Responsible
25/Dec/2022	Meeting in Google Meet to review the new tasks to be done for the week4 updates. An assignment of responsibilities was made.	Everyone
25/Dec/2022 to 28/Dec/2022	The new tokens, corresponding to week 4, were added to the lexer. The new functions <code>parse_exp</code> , <code>logical-and-exp</code> , <code>equality-exp</code> and <code>additive-exp</code> were added to the parser.	Eduardo Robledo (Tester) and Pérez Quintana (System Integrator)
29/Dec/2022 ³ to 05/Jan/2023	Addition of <code>relational_expression</code> to the parser.	Eduardo Robledo (Tester) and Pérez Quintana (System Integrator)
05/Jan/2023	Schedule delivery date with the customer assistant.	Dante Argüello (PM)
05/Jan/2023 to 07/Jan/2023	Optimize the code generator in the redundant comparisons inside the <code>emit_code</code> functions, and add the new <code>emit_code</code> functions for the new operators.	Dante Argüello (PM) and Carreto Velázquez (System Architect).
07/Jan/2023 to 10/Jan/2023	Add tests for the lexer, parser and code generator. Check the assembler results for the generated code.	Eduardo Robledo (Tester), Carreto Velázquez (System Architect) and Carlos Recinas (Programmer).
10/Jan/2023	Meeting in Google Meet to analyze the integration of the code, and verify the last details.	Everyone
11/Jan/2023	Make the last corrections and test adding. Finish the documentation.	Everyone
12/Jan/2023	Presentation of the Week 4 to the Customer in zoom.	Everyone