Mud

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February 17, 2023

Introduction

- **Project Name:** Mud
- **Team Members:** Samir, Joyal

Overall Vision

Our vision is to create a modern C-like programming language offering simplicity, performance, and advanced features. It will be a great language to teach low-level programming in a modern style. When complete, our project will include a fully self-hosted compiler targeting a variety of architectures.

Milestones

1. **Week 4**

    (a) Outline the design goals of the language

    (b) Have a concrete definition of syntax

    (c) Implement a prototype lexer and parser

2. **Week 8**

    (a) Implement a C transpiler written in rust

    (b) Create documentation that covers the basic functionality of the language

    (c) Possibly bootstrap the compiler here

3. **Week 12**

    (a) Implement a LLVM backed compiler

    (b) Definitely bootstrap the compiler here