

Group 11

Team Members

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| Ankit Kumar | 160120 |
| Sahil Dhull | 160607 |
| Shubham Singh | 160674 |

Project Details

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|-------------------------|---|--------|
| Source Language | : | GO |
| Implementation Language | : | Python |
| Target Language | : | MIPS |

Features (Basic) Implementation Details

Features Implemented

1. Data types - Integer, Boolean, String, Float
2. Variables and Expressions
3. Conditionals
4. Loops (For)
5. Switch-Case
6. Input/Output statements
7. Arrays
8. Functions (Recursion)
9. Struct Data Type
10. Pointers
11. Pass by Reference and value

Features not implemented

1. Library Functions
2. Class Data Type
3. Function Prototyping
4. Global Variables
5. Complex float features

Advanced Features

- Multi-Level Pointers:
For int, bool, strings etc
- Multiple Return Values (of any size/types)
- Complex Data Types:
Array of Struct, Array of strings etc
- Malloc - Dynamic Memory Allocation
- Functions with any number of parameters (of any sizes/types)