Report 1

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1.Features

For our project we implemented all the mandatory features and some optional features. We will give more info about each of these features.

1.1 Project 1:

For the features in project 1, there is not much we can say about. Everything works like it is supposed to and there are no extra things to be said about these features. All the optional features are also implemented.

v	Binary operations +, -, *, and /.
v	Binary operations >, <, and ==.
v	+ and -
v	Brackets to overwrite the order of operations.
v	Logical operators &&, ||, and !.
v	Comparison operators >=, <=, and !=.
v	Binary operator %.
v	Visualization in the form of dot using graphviz
v	Constant Folding

1.2 Project 2:

We have implemented all mandatory features. We have also made it that our compiler supports constant propagation. The only optional feature we have implemented is the conversion feature. All the semantic/syntax errors are also implemented. The only thing that may be wrong is that we have made the "assignments of incompatible types" error, a warning instead of an error and we didn't add the lines at which we have an error.

v	Types
v	Reserved words
v	Variables

v	Pointer operations
x	Identifier operations
v	Conversions

1.3 Project 3

For project 3 we have only implemented the first part. We have implemented the mandatory as well as the optional features of project 3.1. The printf is hardcoded for now. The LLVM part of project 3 is yet to be implemented.

v	Comments
v	Printf
x	LLVM
x	Written Comment -> LLVM
x	Extra comments -> LLVM