Parsing and Translating Binary Expressions

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1 To create a compiler that pass and translate general expressions that involve Addition and Subtraction.

Firstly we downloaded three applications which are Sublime Text 3 where we are going to type the code using pascal programming language, DOSBOX to compile our pascal code and lastly cmdir to submit our work at GitHub.

Sublime Text is a proprietary cross-platform source code editor with python application programming interface (API). It natively supports many programming languages and markup languages. DOSBox is a full CPU emulator, capable of running DOS programs that require the CPU to be in real mode or protected mode. Since DOSBox can emulate its CPU by interpretation, the environment it emulates is completely independent of the host CPU.

Below are the procedures we took in Parsing and Translating Binary Expressions, from writting the code in sublime, saving the code in C drive under TPascal4 folder since we are using pascal environment. We then went to DOSBox to mount C drive so that we can load, compiler and run our code in DOSBox since is a command line simulator and C drive is not, so we want DOSBox to recognize C Drive so that it can compiler the code.

Finally we checked if the compiled code works by adding two numbers and subtracting two numbers the it gave us results that addition and subtraction is allowed, Again we multiplied the two numbers the it gave us runtime error, because we did not include the multiplication procedure.

Figure 1:

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Figure 2:





