

**Elementary Math HW Checker**

To use the flex and bison parser must cd to the place on your computer that contains the files. Then once at the location must run `chmod +x make.sh` for the `make.sh` file. Then we can run `./make.sh hwchecker` to get the executable. Then we run `./a.out<input.txt` or whatever file is being used through terminal to give the input. This should make the parser run and produce the result. I have given an input file though as well so another doesn't need to be created if wanted called `test.txt` so you can just run `./a.out<test.txt`. Then for different inputs you can just replace the inputs in this file.

I was able to pass almost all test cases but the only things I couldn't accomplish were multiple inequalities or multiple equations in a single input line. However all other test cases like multiple math operators, parenthesis precedence, parentheses for inequalities is syntax error, no variables, division by zero, only integers, negative numbers, etc all work.