



Challenges

- Convert and print
- Equation 4 not being able to use eax ebx registers to do math
- Having all strings print even though there was only one syscall to print msg1. Learned that this was because I did not calculate the length of strings right after the message. That needs to be done after each msg.
- Specifically, converting and printing the first equation result took a very long time to figure out how to do it correctly and get the output I want. Once I got the hang of that, it was easier for the subsequent equations.
- I want to know an easy way to move the text cursor to a new line after printing the result of equation 4 in the terminal. I don't like the \$ next to it and it makes the terminal harder to read when commands aren't on a newline of their own.

You can see below I encountered problems but it works as it should

```
Terminal 1
./run.sh: line 5: ./w4math: No such file or directory
$ $ ./run.sh w4math
Eq1= 0
Eq2= 9$ ./run.sh w4math
Eq1= 0
Eq2= 9
Eq3= 2$ ./run.sh w4math
Eq1= 0
Eq2= 9
Eq3= 2
Eq4= $ ./run.sh w4math
./w4math.asm:91: error: invalid combination of opcode and operands
ld: cannot find ./w4math.o: No such file or directory
./run.sh: line 5: ./w4math: No such file or directory
$ ./run.sh w4math
Eq1= 0
Eq2= 9
Eq3= 2
Eq4= $ ./run.sh w4math
./w4math.asm:87: error: invalid combination of opcode and operands
./w4math.asm:91: error: invalid combination of opcode and operands
ld: cannot find ./w4math.o: No such file or directory
./run.sh: line 5: ./w4math: No such file or directory
$ ./run.sh w4math
./w4math.asm:87: error: invalid combination of opcode and operands
./w4math.asm:91: error: invalid combination of opcode and operands
ld: cannot find ./w4math.o: No such file or directory
./run.sh: line 5: ./w4math: No such file or directory
$ ./run.sh w4math
Eq1= 0
Eq2= 9
Eq3= 2
Eq4= 0$
```