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Specifications

Operating System - MacOS

IDE/Code Editor - Visual Code Studio

Compiling Info

Apple clang version 15.0.0 (clang-1500.3.9.4)

Target: arm64-apple-darwin23.6.0

Bison File

```
bison -d ESOF_3251_LAB_Jamie_Grasley_1164621_8_OCT_24.y
```

Lex File

```
lex ESOF_3251_LAB_Jamie_Grasley_1164621_8_OCT_24.l
```

gcc compiling for final product

```
gcc lex.yy.c ESOF_3251_LAB_Jamie_Grasley_1164621_8_OCT_24.tab.c -o  
ESOF_3251_LAB_Jamie_Grasley_1164621_8_OCT_24
```

Challenges

The largest two challenges during this project were getting the stack and if statements to work. Initially I did not have a 1 value at the top of my stack when defining it so nothing would ever execute.

With the if statement it would never work and always give syntax errors. After a long time of consulting with classmates and many online forums I finally realized while going through my Lex file that I forgot to parse for "else" which is why it would never work.