a) Show that if you define more than the MAX number of variables, then you error:

```
🧿 mcgovern@Christian-PC: /mnt/c/Users/Christian/Desktop/Google_Drive/Course-Work/NMSU-Compilers and Automata Theory/lab4
  govern@Christian-PC:/mnt/c/Users/Christian/Desktop/Google_Drive/Course-Work/NMSU-Compilers and Automata Theory/lab4$ clea
ncgovern@Christian-PC:/mnt/c/Users/Christian/Desktop/Google_Drive/Course-Work/NMSU-Compilers and Automata Theory/lab4$ ./lab4
int v1;
int found
Whitespace found
Variable found
return a semicolon ;
cariage return
int v2;
int found
Whitespace found
Variable found
Error line 2: no more register space
return a semicolon ;
ariage return
```

b) Show that you cannot declare a variable more than once

```
🧿 mcgovern@Christian-PC: /mnt/c/Users/Christian/Desktop/Google_Drive/Course-Work/NMSU-Compilers and Automata Theory/lab4
ncgovern@Christian-PC:/mnt/c/Users/Christian/Desktop/Google Drive/Course-Work/NMSU-Compilers and Automata Theory/lab4$ clea
mcgovern@Christian-PC:/mnt/c/Users/Christian/Desktop/Google_Drive/Course-Work/NMSU-Compilers and Automata Theory/lab4$ ./lab4
int v1;
int found
Whitespace found
Variable found
return a semicolon ;
ariage return
int v1;
int found
Whitespace found
Variable found
Error line 2: Symbol v1 already defined
return a semicolon ;
ariage return
```

c) Show that you cannot use a variable that is not defined

d) Show that a declared variable can be set and used (left and right hand side).