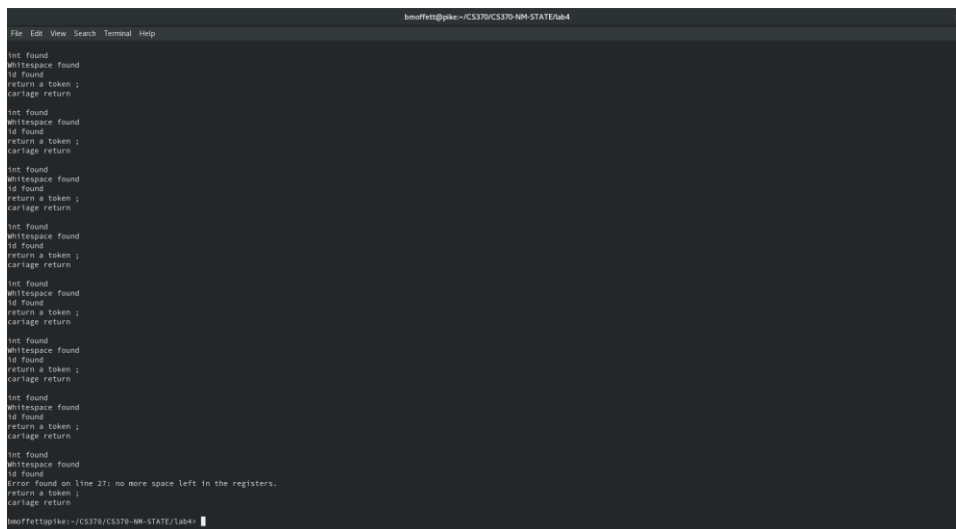


Lab 4 Tests

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



```
File Edit View Search Terminal Help
bmooffett@pike:~/CS370/CS370-NM-STATE/lab4

int found
whitespace found
id found
return a token ;
carriage return

int found
whitespace found
id found
return a token ;
carriage return

int found
whitespace found
id found
return a token ;
carriage return

int found
whitespace found
id found
return a token ;
carriage return

int found
whitespace found
id found
return a token ;
carriage return

int found
whitespace found
id found
return a token ;
carriage return

int found
whitespace found
id found
return a token ;
carriage return

int found
whitespace found
id found
return a token ;
carriage return

int found
whitespace found
id found
return a token ;
carriage return

int found
whitespace found
id found
return a token ;
carriage return

int found
whitespace found
id found
return a token ;
carriage return

int found
whitespace found
id found
return a token ;
carriage return

int found
whitespace found
id found
return a token ;
carriage return

int found
whitespace found
id found
return a token ;
carriage return

int found
whitespace found
id found
return a token ;
carriage return

int found
whitespace found
id found
return a token ;
carriage return

int found
whitespace found
id found
return a token ;
carriage return

int found
whitespace found
id found
return a token ;
carriage return

int found
whitespace found
id found
return a token ;
carriage return

int found
whitespace found
id found
return a token ;
carriage return

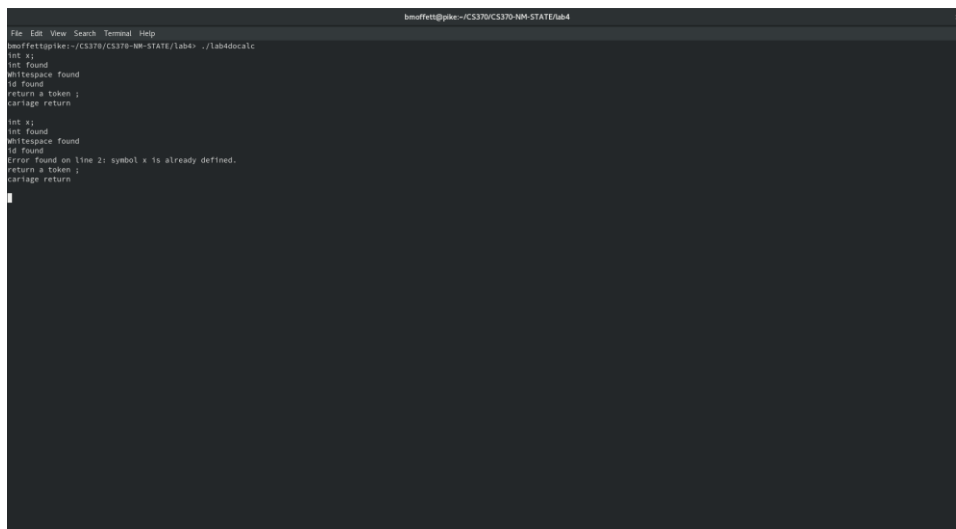
int found
whitespace found
id found
return a token ;
carriage return

int found
whitespace found
id found
return a token ;
carriage return

Error found on line 27: no more space left in the registers.
return a token ;
carriage return

bmooffett@pike:~/CS370/CS370-NM-STATE/lab4
```

Show that you cannot declare a variable more than once:



```
File Edit View Search Terminal Help
bmooffett@pike:~/CS370/CS370-NM-STATE/lab4

bmooffett@pike:~/CS370/CS370-NM-STATE/lab4$ ./lab4docalc
int x;
int found
whitespace found
id found
return a token ;
carriage return

int x;
int found
whitespace found
id found
return a token ;
carriage return

Error found on line 2: symbol x is already defined.
return a token ;
carriage return
```

Show that you cannot use a variable that is not defined:

```
File Edit View Search Terminal Help
bmoffett@pike:~/CS370/CS370-NM-STATE/lab4$ ./lab4docalc
x = 5
id found
whitespace found
return a token =
Variable x on line 1 is never defined.
whitespace found
Digit found
Found an integer
carriage return
```

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

```
File Edit View Search Terminal Help
bmoffett@pike:~/CS370/CS370-NM-STATE/lab4$ ./lab4docalc
int x;
int found
whitespace found
id found
return a token ;
carriage return

int y;
int found
whitespace found
id found
return a token ;
carriage return

x = 5
id found
whitespace found
return a token =
Variable x on line 3 is defined.
whitespace found
Digit found
Found an integer
carriage return

y = 9
id found
whitespace found
return a token =
Variable y on line 3 is defined.
whitespace found
Digit found
Found an integer
carriage return

x + y
id found
whitespace found
return a token +
whitespace found
id found
carriage return

the answer is 14
```