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Lab 4 CS 370

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

NOTE: I changed the max number of variables to 4 just to test the error.

```
cs370/Lab4> ./lab4docalc
int x;
int y;
int z;
int b;
Max number of variables used.█
```

Show that you cannot declare a variable more than once.

```
cs370/Lab4> ./lab4docalc
int x;
int x;
Error Line 2: Symbol x already defined.
█
```

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

```
cs370/Lab4> ./lab4docalc
int y;
x = 3
Found an integer.
Error: Variable not declared.
cs370/Lab4> █
```

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

```
cs370/Lab4> ./lab4docalc
int y;
int x;
x = 4
Found an integer.
y = 3
Found an integer.
x + y
Found a variable value = x.
Found a variable value = y.
The answer is 7.
```