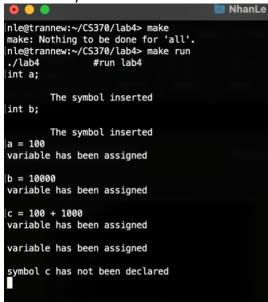
PDF file of screenshot to test the case requirement.

a) Show that if you define more than the MAX number of variables, then you error: I set my max number of variables to 4.

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

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).

```
nle@trannew:~/CS370/lab4> make
make: Nothing to be done for 'all'. nle@trannew:~/CS370/lab4> make run
./lab4
[int a;
                         #run lab4
            The symbol inserted
int b;
            The symbol inserted
int c;
            The symbol inserted
[int d;
            The symbol inserted
[a = 28;
variable has been assigned
syntax error
b = 25;
variable has been assigned
syntax error
[c = 21;
variable has been assigned
syntax error
d = a + b + c
found variable: a in Symbol Table, with address of 0, with a value 28 found variable: b in Symbol Table, with address of 1, with a value 25 found variable: c in Symbol Table, with address of 2, with a value 21
found variable: d in Symbol Table, with address of 3, with a value 74
found variable: a in Symbol Table, with address of 0, with a value 28 found variable: b in Symbol Table, with address of 1, with a value 25 found variable: c in Symbol Table, with address of 2, with a value 21
variable has been assigned
found variable: d in Symbol Table, with address of 3, with a value 23
```

e) This screenshot is a test case for test file in step 5.

