ECE Lab 1 Readme

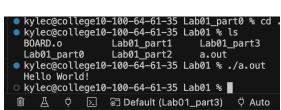
Authors: Kyle Chen, Eli Moss, Jaiveer Guram (Did not show)

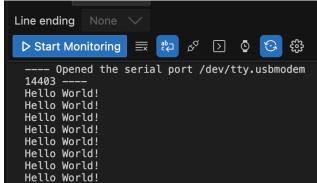
Commits

Kyle Chen commit ID: 5077bf568c1963973eec7b1542b57a671cdc94ad Eli Moss Commit ID: 751cde3e7a89abeb840072487af7dba52db4a624

Part 0

Kyle Chen:





Eli Moss:

Part1

Kyle Chen:

```
i=0: [45, 207, 70, 41, 4]
i=1: [45, 207, 70, 41, 4]
i=2: [45, 207, 70, 41, 4]
i=3: [45, 70, 207, 41, 4]
i=4: [41, 45, 70, 207, 4]
i=5: [4, 41, 45, 70, 207]
```

Eli Moss:

- i = 0 [45, 207, 70, 41, 4]
- i = 1 [45, 207, 70, 41, 4]
- i = 2 [45, 207, 70, 41, 4]
- i = 3 [45, 70, 207, 41, 4]
- i = 4 [41, 45, 70, 207, 4]
- i = 5 [4, 41, 45, 70, 207]

Part2

Kyle Chen: Eli Moss:

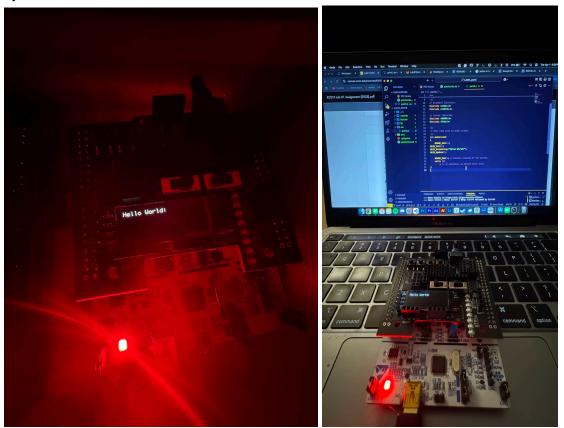
```
F
                                                                   C
                                                          0.0 - 018
                                                         20.0 -007
Line ending
                                                         40.0 0004
                       $<sup>5</sup> ⟨<sup>5</sup> ⟨<sup>5</sup> |
▶ Start Monitoring
                                                         60.0 0016
 **** Failed to open the serial port /dev/tty.
                                                         80.0 0027
 BLTH ****
                                                        100.0 0038
 **** Failed to open the serial port /dev/tty.
                                                        120.0 0049
 BLTH ****

    Opened the serial port /dev/tty.usbmodem

                                                        140.0 0060
 14403 -
                                                        160.0 0071
     0.0 -018
                                                        180.0 0082
    20.0 -007
                                                        200.0 0093
    40.0 0004
60.0 0016
                                                        220.0 0104
    80.0 0027
                                                        240.0 0116
   100.0 0038
120.0 0049
                                                        260.0 0127
   140.0 0060
                                                        280.0 0138
   160.0 0071
   180.0 0082
200.0 0093
                                                       300.0 0149
   220.0 0104
                                                                   F
                                                          Κ
   240.0 0116
260.0 0127
                                                     000.000
                                                                  -459.7
   280.0 0138
                                                     020.000
                                                                 -423.7
   300.0 0149
                                                     040.000
                                                                 -387.7
   0.000 -459.7
                                                     060.000
                                                                 -351.7
  20.000 -423.7
                                                     080.000
                                                                 -315.7
  40.000 -387.7
60.000 -351.7
                                                     100.000
                                                                  -279.7
 80.000 -315.7
100.000 -279.7
120.000 -243.7
                                                     120.000
                                                                 -243.7
                                                     140.000
                                                                 -207.7
 140.000 -207.7
                                                     160.000
                                                                 -171.7
 160.000 -171.7
                                                     180.000
                                                                  -135.7
 180.000
         -135.7
 200.000
          -99.7
                                                     200.000
                                                                   -99.7
 220.000
          -63.7
                                                                   -63.7
                                                     220.000
 240.000
          -27.7
                                                                   -27.7
 260.000
            8.3
                                                     240.000
 280.000
           44.3
                                                     260.000
                                                                      8.3
 300.000
           80.3
                                                     280.000
                                                                    44.3
     Closed the serial port /dev/tty.usbmodem
                                                     300.000
                                                                    80.3
```

Part3

Kyle Chen: Eli Moss:



Reflection

Eli Moss:

 We used a group chat where we communicated plans for submission as well as asked for help and shared ideas about problems we ran into and how to solve them. While we certainly could have done more (like meet up in person), we never felt the need, and found this sort of light communication more conducive to our success

- 2. Some setup issues, and had to ask people and TAs to fully figure it all out. No issues communicating and contacting each other as a group, and the group helped clear up these issues for each other.
- 3. Make installation and command instructions more clear for MAC users. While there is some guidance, the Homebrew section was particularly vague, and could use a little more specific direction as it is quite unintuitive with no guidance. Other than that, lab was very straightforward

Kyle Chen:

- 1. We made a group chat where we could talk with one another. Most of the discussion was minor troubleshooting with the environment and also understanding the assignment.
- 2. I was never able to get the helloworld.c compiling for x86 with the inclusion of the board header file, so I commented it out. Turns out it was because of the usage of curly quotes, instead of straight quotes, that was copied from the pdf instructions.
- 3. A few comments:
 - a. Putting the code blocks in a PDF meant that sometimes the code that was copied was incorrect (see 2), and just messy. Would be better in a website.
 - b. I feel like there was a lot of information bloat. My experience during the lab section was that the majority of students relatively unfamiliar with computers were *still* confused with the instructions. Many little details can be cut because they just aren't relevant to what the students are learning at *this* point in time.
 - c. The organization of the topics could be improved; I would suggest putting all the minimum required computer knowledge (e.g. shell commands, how git works) in a separate, and *single* introductory document. And leave the lab document as a simple list of instructions, e.g. try to compile and run the helloworld.c on the board. The document was hard to search for things and read through.
 - d. This assignment did not have to be 26 pages long.