Design/Implementation Tests - ECE 198 Group 76 - Wilson Cheng, William Zhang

November 12, 2023:

10:00 p.m.:

- Get data from temperature sensor (William)
- A fail while using the available library
- Potential solution - follow the Youtube video (https://www.youtube.com/watch?v=Qw4ScK2CZqI) line-by-line, i.e. implement reading of memory alone, without the weird calculations done in the library.
- Code used is in git commit `3ab4e4d0` to the dev branch.

8:20 p.m.:

- Retest display.
- Configure printing of basic variables, such as counting from 1 to 10.
- In git commit 'configure basic display variable printing'
- Notes: to adjust contrast, turn the screw hole in the blue box at the end.

November 11, 2023:

4:30 p.m.:

- Finding temp sensor data.
- Result: failed, did not build or run

4:00 p.m.:

- Configured PUTTY console printing with UART.
- Based in commit 'restart dev, add console printing with I2C'

November 6, 2023

9:00 p.m.:

- Tested buzzer sound.
- Buzzer has long/short pin, just like LED.
- Simply connected buzzer to breadboard, set PA1, then activated at intervals of 1 second delays with `HAL_Delay(1000)`, and used `HAL_TogglePin(GPIOx, GPIO_PINx)` to switch on/off at intervals.
- Result: beeps at desired time interval and consistent volume levels.
- Next steps: make the beeping less obnoxious, reduce frequency by trying PWM.