

Goals: Python on Raspberry Pi and CircuitPython on Adafruit Trinket. I/O, including analog and I2C

For this homework, you'll demonstrate the following to the instructor.

1) Python on the Raspberry Pi.

a) Read and display the lsm6ds33 sensor, 10 times at 1-second intervals using the I2C interface.

2) CircuitPython on the Trinket M0

a) Blink the "dotstar" LED continuously once per second, alternating RED, GREEN, BLUE, then repeating. Quit when a "button" is pressed

b) Hook up the light sensor to the analog input and display the voltage continuously, sleeping .2 seconds between readings.

Bonus: Read and display the lsm6ds33 sensor, 10 times at 1-second intervals using the SPI interface.