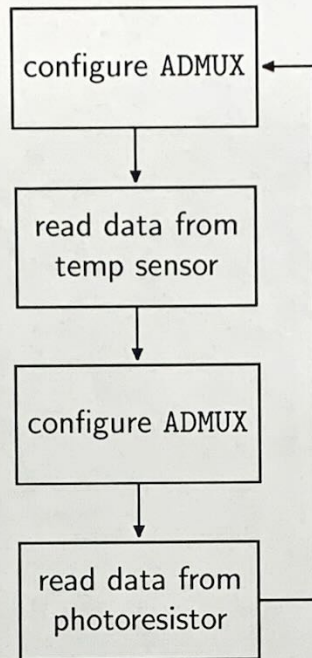


Name: Mohammad Alwan

Lab 4 Extra Credit

Circuits I & II: Temperature & Light Level Measurements

Use a calibrated temperature sensor and photoresistor to measure the ambient temperature and light levels as you did in lab 4. However, have both sensors connected to the Arduino Uno simultaneously and read data from each sensor separately on the ADC, as shown in the flowchart below.



Display both of these values, with the proper units, on an LCD screen.

When the circuit is functioning properly, demonstrate its functionality to your instructor to receive a stamp. At this point, print out the well-documented software code and attach it to this assignment. In addition, create and print out a circuit schematic to include as well.

Program Memory: 2219 bytes

Data Memory: 271 bytes

Instructor Stamp: 