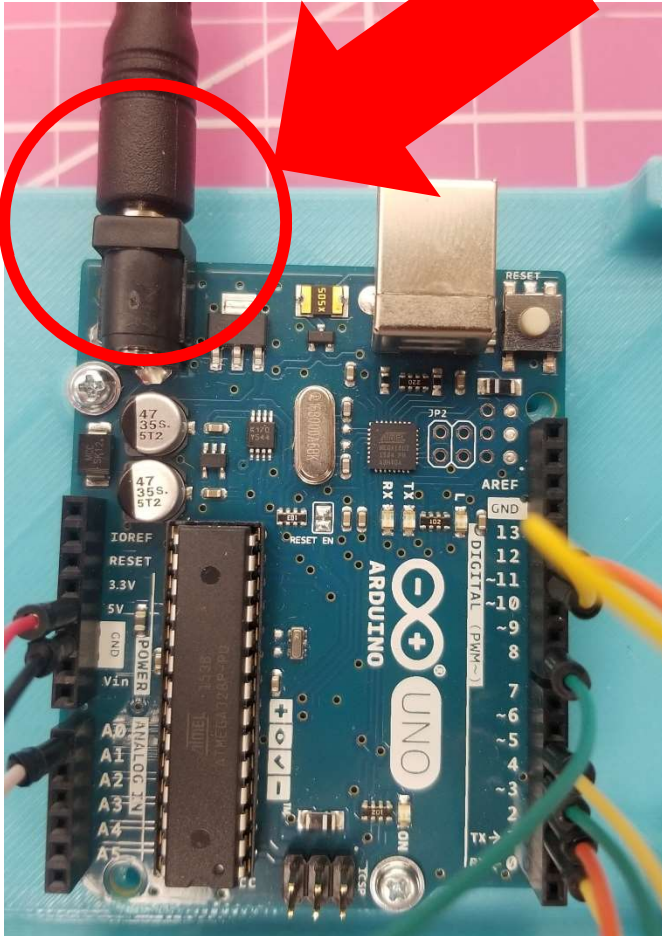# Ambient Air Temperature Sensor

How to use:

Once the system has power, press the small black button. The Arduino will take a reading from the temperature sensor, then LCD will display the temperature in degrees Fahrenheit.
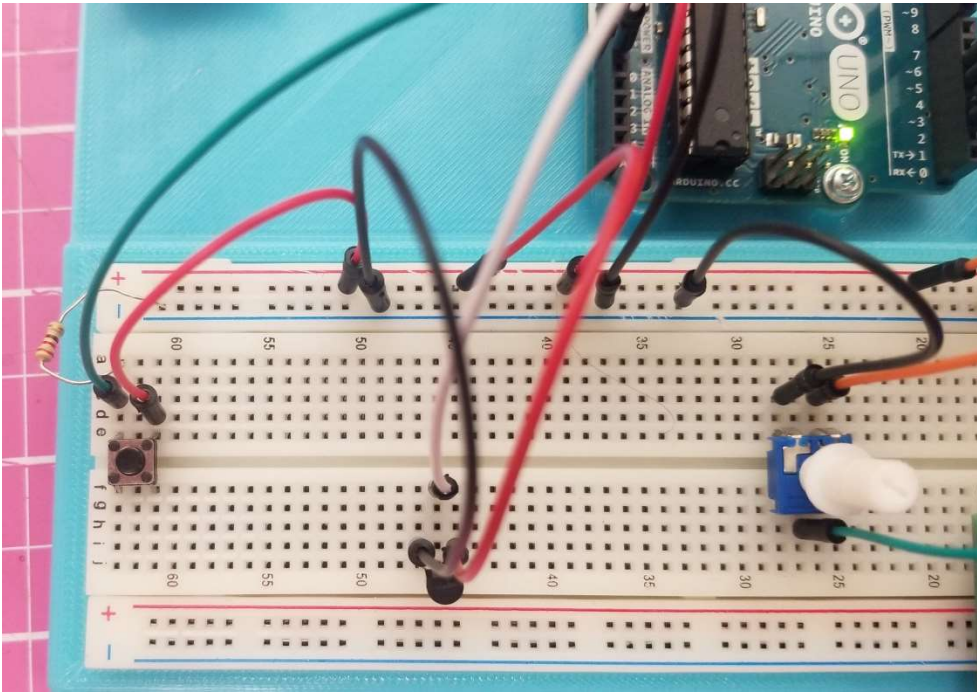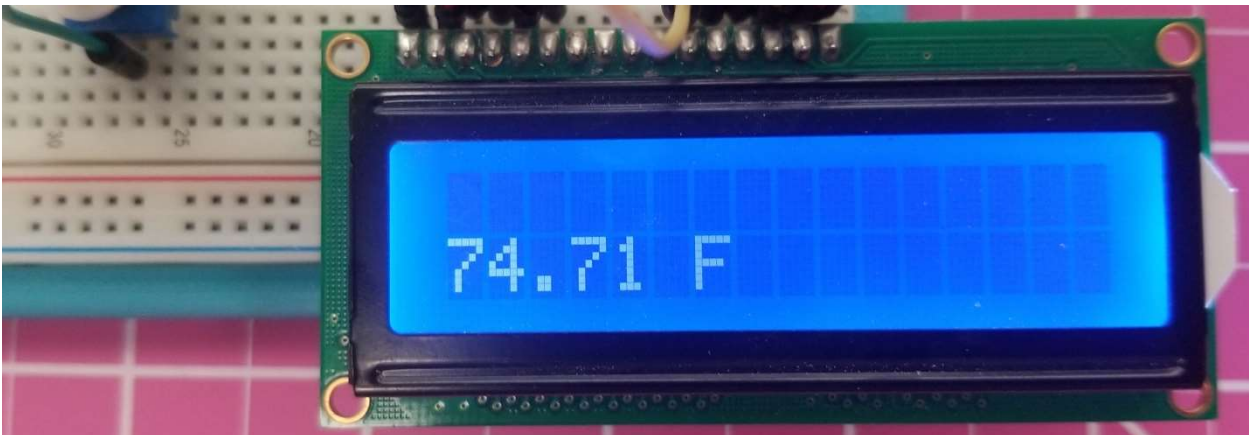
1: Plug in 9V battery to Arduino.
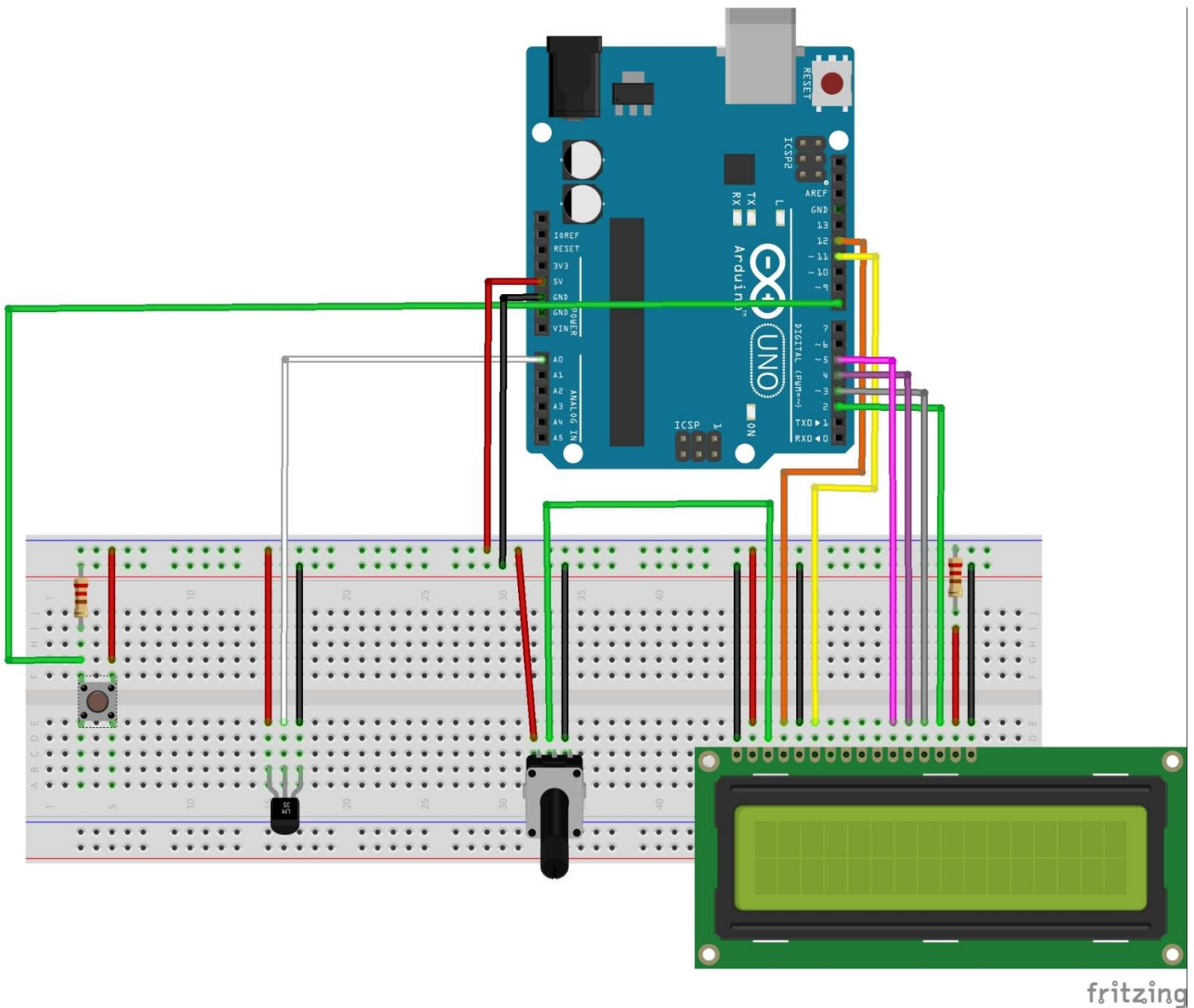

2: Wait for LCD to say "hello mars!"

3: Press button

4: LCD will display temperature in degrees Fahrenheit

Build (Fritzing image):

Code:

The code initializes and sets variables, then prints "hello mars!" to the LCD to confirm that it is working. It then check to see if the button is pressed, if so, it takes a reading from the temperature sensor, converts it into degrees Fahrenheit and displays it to the LCD. It then waits for a period of time before checking to see if the button is pressed again.

Code located at: https://github.com/lordjim2001/MFSN2020-01/blob/master/MFSN_Arduino_Temperature.ino