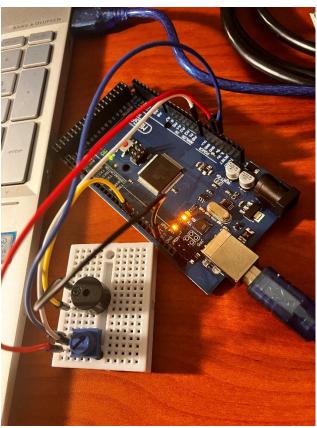
Lab – 3 Datasheet

CpE 4010: Sensors, Actuators and Integration

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From procedure 3a:

Insert your picture of your modified circuit here:



From procedure 5:

Insert the screenshot of your IDE code window here:

From procedure 6:

Insert your screenshot of Serial Monitor window displaying several frequency messages here:

```
digitalWrite(buzzer, HIGH);
Output Serial Monitor x
Message (Enter to send message to 'Arduino Mega or Mega 2560' on 'COM6')
Frequency is 4675 Hz
Frequency is 4665 Hz
Frequency is 4655 Hz
Frequency is 4393 Hz
Frequency is 3771 Hz
Frequency is 3081 Hz
Frequency is 2285 Hz
Frequency is 1187 Hz
Frequency is 837 Hz
Frequency is 283 Hz
Frequency is 60 Hz
Frequency is 740 Hz
Frequency is 1362 Hz
Frequency is 1974 Hz
Frequency is 2877 Hz
Frequency is 3713 Hz
Frequency is 4451 Hz
Frequency is 4811 Hz
Frequency is 4743 Hz
Frequency is 4568 Hz
Frequency is 3276 Hz
Frequency is 2547 Hz
Frequency is 1799 Hz
Frequency is 1089 Hz
Frequency is 468 Hz
Frequency is 196 Hz
Frequency is 244 Hz
Frequency is 613 Hz
Frequency is 1274 Hz
Frequency is 2042 Hz
Frequency is 3042 Hz
Frequency is 3655 Hz
Frequency is 3781 Hz
Frequency is 3878 Hz
Frequency is 3839 Hz
Frequency is 3830 Hz
Frequency is 3830 Hz
Frequency is 3830 Hz
Frequency is 3830 Hz
```

Conclusions:

Simple lab just took a minute for some odd reason because the board wasn't being recognized by the COM port. Overall its nice to see the previous potentiometer lab carries over to this one.