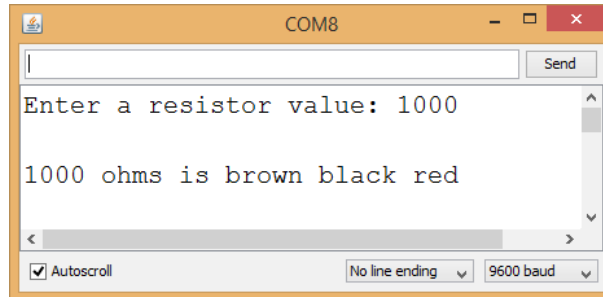


# ECET 130 - Lab 4

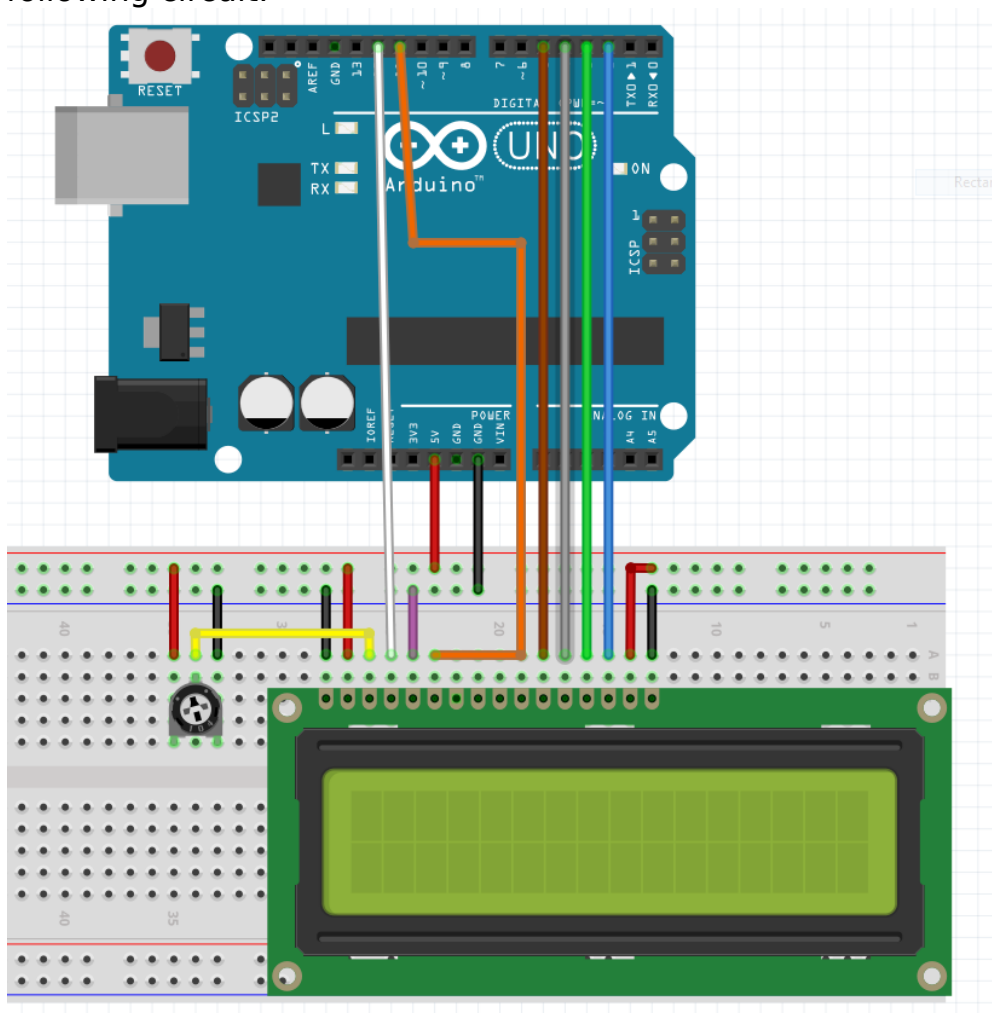
## Resistor Color Code with an LCD

Write a program that asks the user for a standard resistor value and prints out the resistor's color code. The program should run forever.

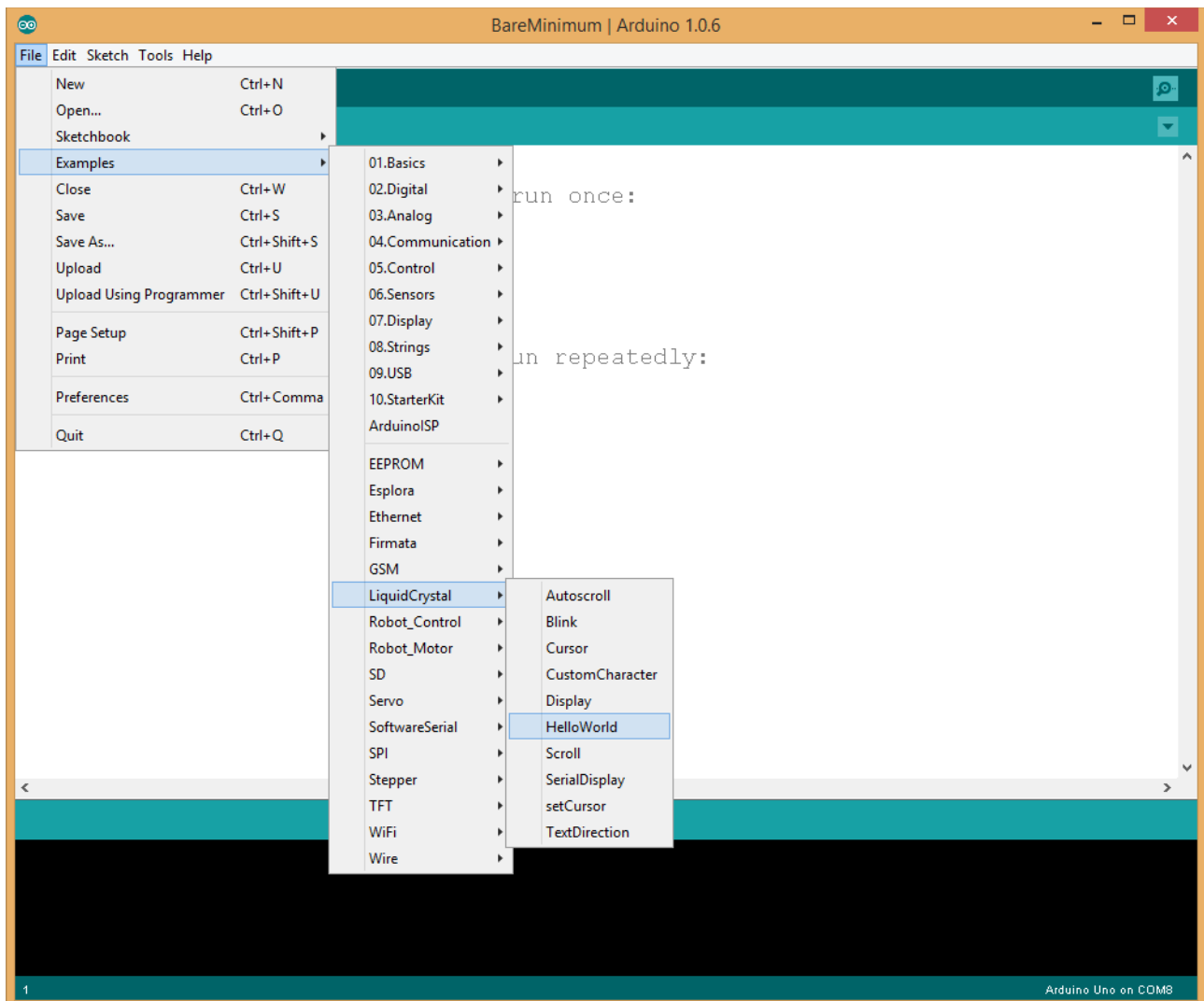


## Part2:

Wire the following circuit.

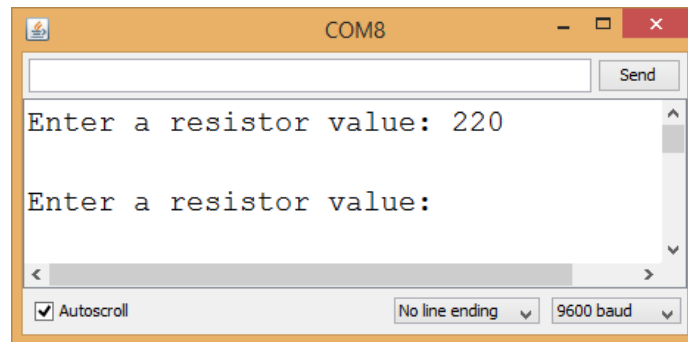


- Adjust the potentiometer until you see 2 rows of squares.
- Download the example sketch LiquidCrystal/HelloWorld.
- Program and run this demo.



**Part3:**

Modify your program from part1 to ask for the input from your serial console but print the resistor value and color bands on the LCD.



**Submit to the dropbox Lab4 folder by the start of lab Week5:**

- **your appropriately commented program for part1**
- **a screenshot of your output for part1**
- **your appropriately commented program for part3**
- **a screenshot of your output for part3**
- **if possible, a photo of your LCD output**

**Be prepared to demo part3 of your lab in lab Week5**