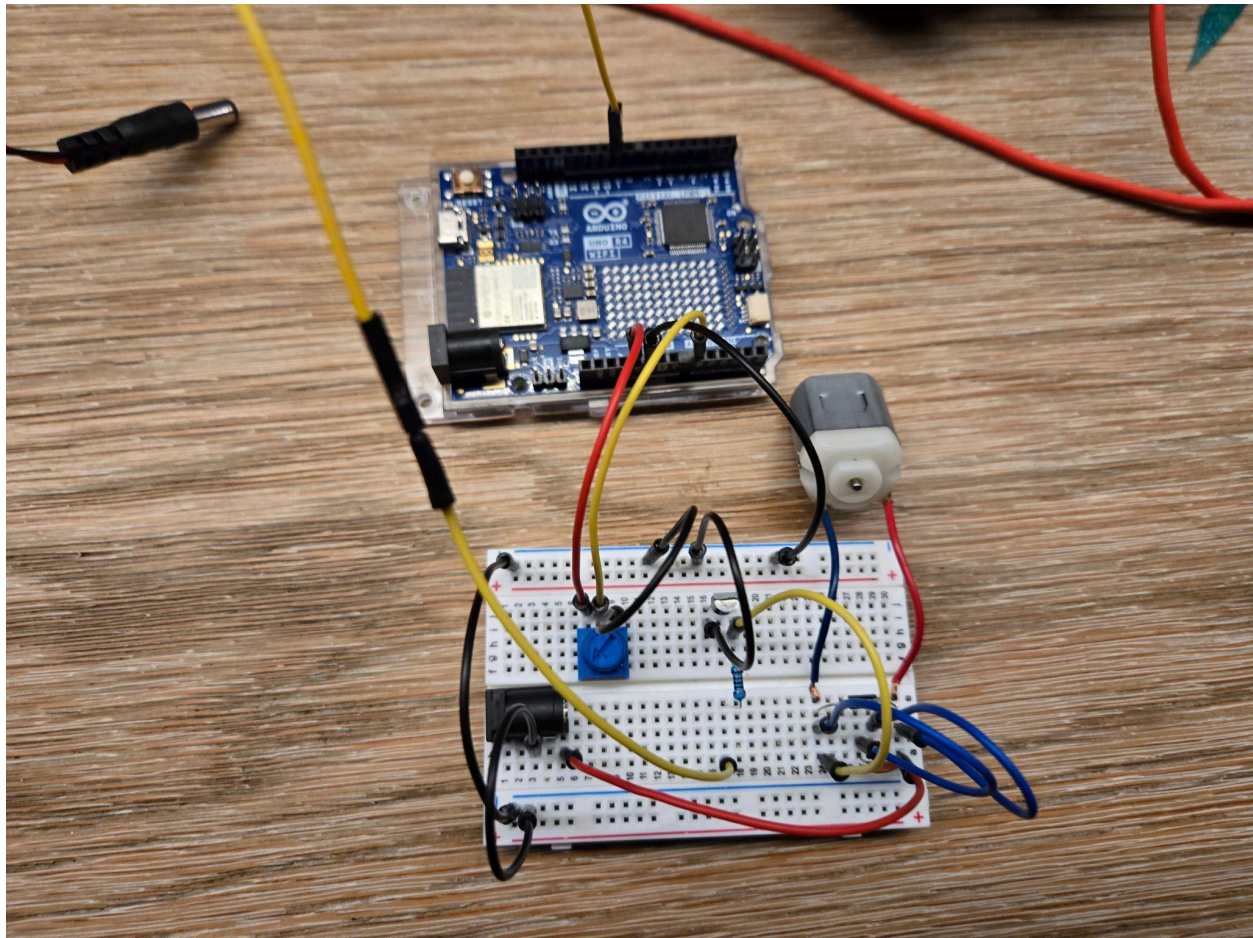


# Arduino - Transistors & DC Motor - Kit Version



```
dc-motor | Arduino IDE 2.3.6
File Edit Sketch Tools Help
Arduino UNO R4 WiFi

dc-motor.ino
1  /*
2  Exploring Arduino, Second Edition
3  Code Listing 4-2: Adjustable Speed Control
4  https://www.exploringarduino.com/content2/ch4
5
6  Copyright 2019 Jeremy Blum ( https://www.jeremyblum.com )
7  Licensed under MIT ( https://github.com/sciguy14/Exploring-Arduino-2nd-Edition/blob/master/LICENSE.md )
8  */
9
10 //Motor Speed Control with a Pot
11
12 const int MOTOR=9; //Motor on Digital Pin 9
13 const int POT=0; //POT on Analog Pin 0
14
15 int val = 0;
16 int temp = 0;
17
18 void setup()
19 {
20   pinMode (MOTOR, OUTPUT);
21   Serial.begin(9600);
22 }
23
24 void loop()
25 {
26   val = analogRead(POT);
27   temp = val;
28   val = map(val, 0, 1023, 0, 255);
29   analogWrite(MOTOR, val);
30   Serial.print("Potentiometer: ");
31   Serial.print(temp);
32   Serial.print(" <=> Motor: ");
33   Serial.println(val); // Use println on the last part to move to a new line
34 }
```

Ln 29, Col 29 Arduino UNO R4 WiFi on COM10 [not connected]