const int ledPin = 3; //pin 3 has PWM funtion

const int flexPin = A0; //pin A0 to read analog input

//Variables:

int value; //save analog value

void setup(){

pinMode(ledPin, OUTPUT); //Set pin 3 as 'output'

Serial.begin(9600); //Begin serial communication

}

void loop(){

value = analogRead(flexPin); //Read and save analog value from potentiometer

Serial.println(value); //Print value

value = map(value, 700, 900, 0, 255);//Map value 0-1023 to 0-255 (PWM)

analogWrite(ledPin, value); //Send PWM value to led

delay(100); //Small delay

}