2016 Advanced Arduino
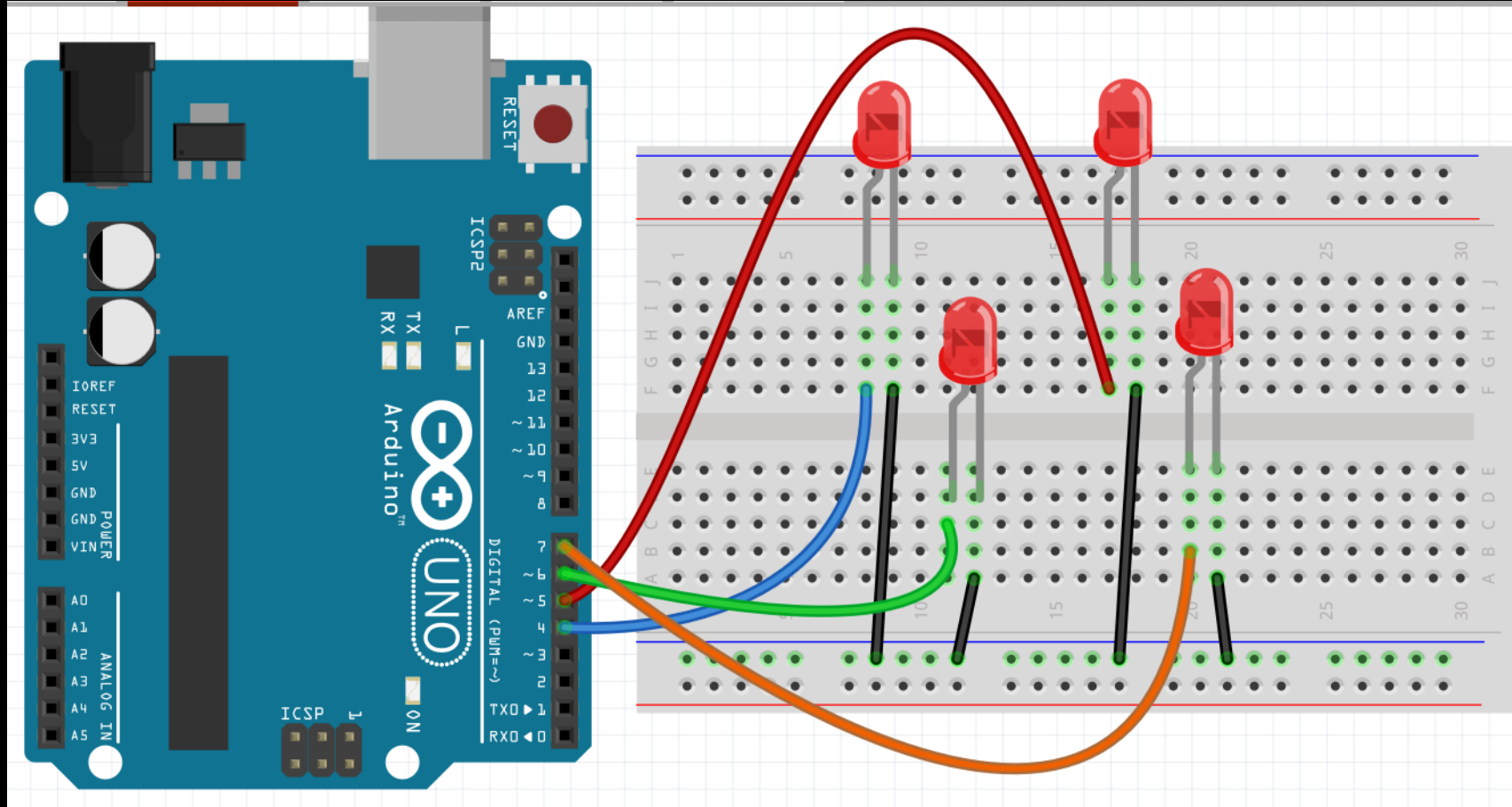
Jongwha Park

suakii@gmail.com

Arduino

- http://www.ted.com/talks/massimo_banzi_how_arduino_is_open_sourcing_imagination

Massimo Banzi

- Massimo Banzi helped invent the Arduino, a tiny, easy-to-use open-source microcontroller that's inspired thousands of people around the world to make the coolest things they can imagine — from toys to satellite gear. Because, as he says, "You don't need anyone's permission to make something great."

Serial LED Blink – Hard Ware

Serial LED Blink – Software

- https://github.com/suakii/2016AdArduno/blob/master/Chapter1/gs_1_SerialLEDBlink/gs_1_SerialLEDBlink.ino

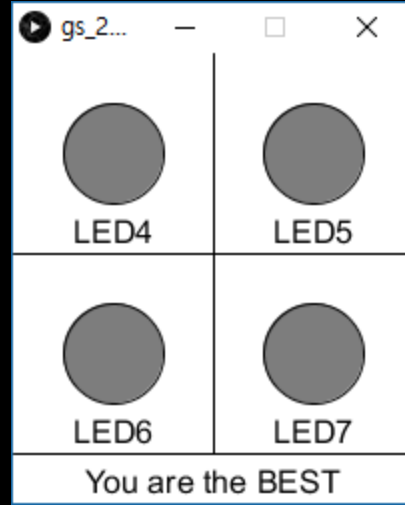# Serial LED Blink –Serial Monitor

LED Control Using Processing

- First upload this code to Arduino

- https://github.com/suakii/2016AdArduno/tree/master/Chapter1/gs_2_LED_control_arduino

LED Control Using Processing

- Type this code to Processing

- https://github.com/suakii/2016AdArduno/blob/master/Chapter1/gs_2_LED_control_processing/gs_2_LED_control_processing.pde

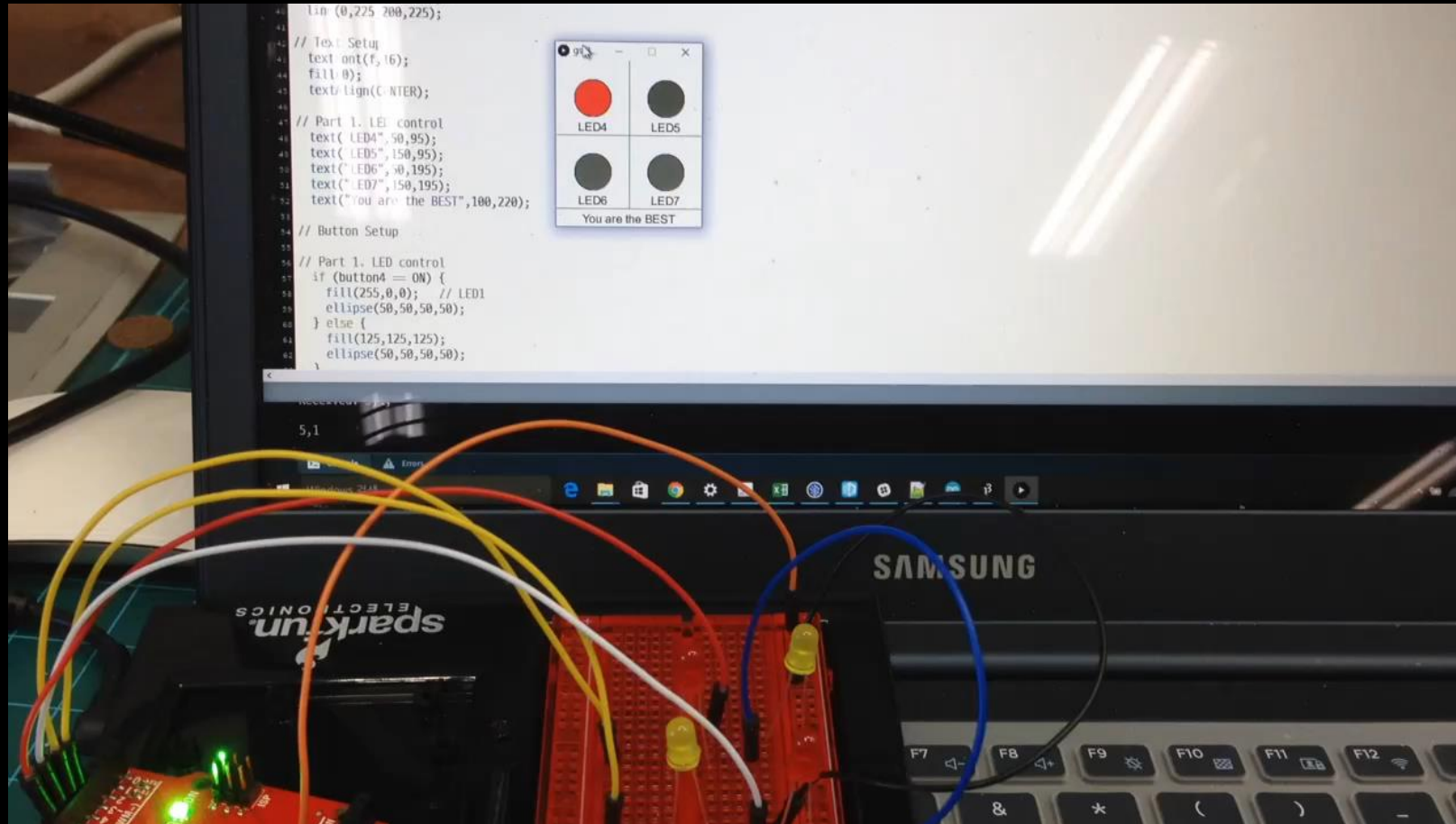# LED Control Using Processing

- Your are the BEST

Reverse : Arduino send to Processing

- Arduino Code
- https://github.com/suakii/2016AdArduno/blob/master/Chapter1/gs_3_LED_control_arduino/gs_3_LED_control_arduino.ino
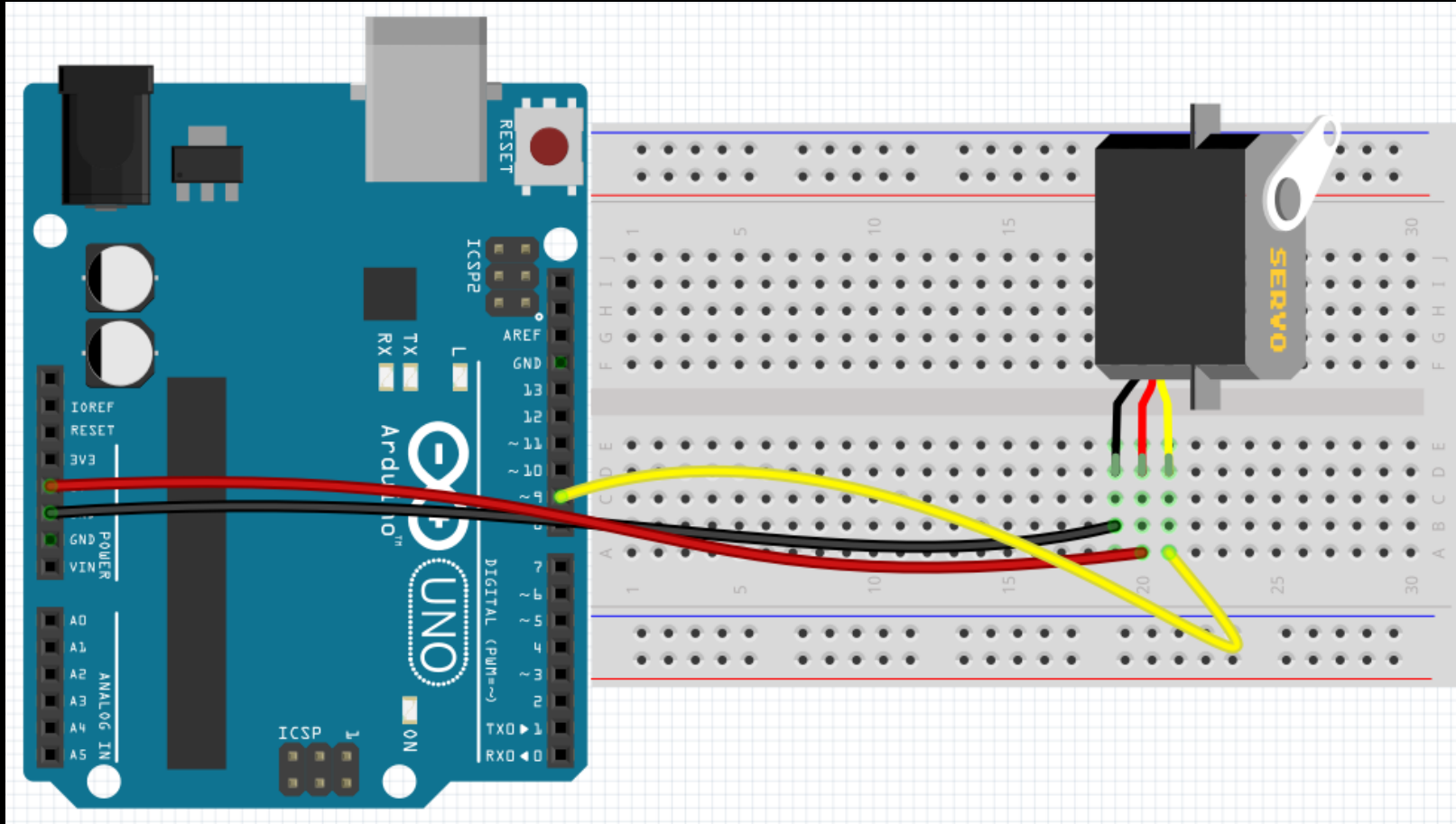
Reverse : Arduino send to Processing

- Processing Code
- https://github.com/suakii/2016AdArduno/blob/master/Chapter1/gs_3_LED_control_processing/gs_3_LED_control_processing.pde

Reverse : Arduino send to Processing
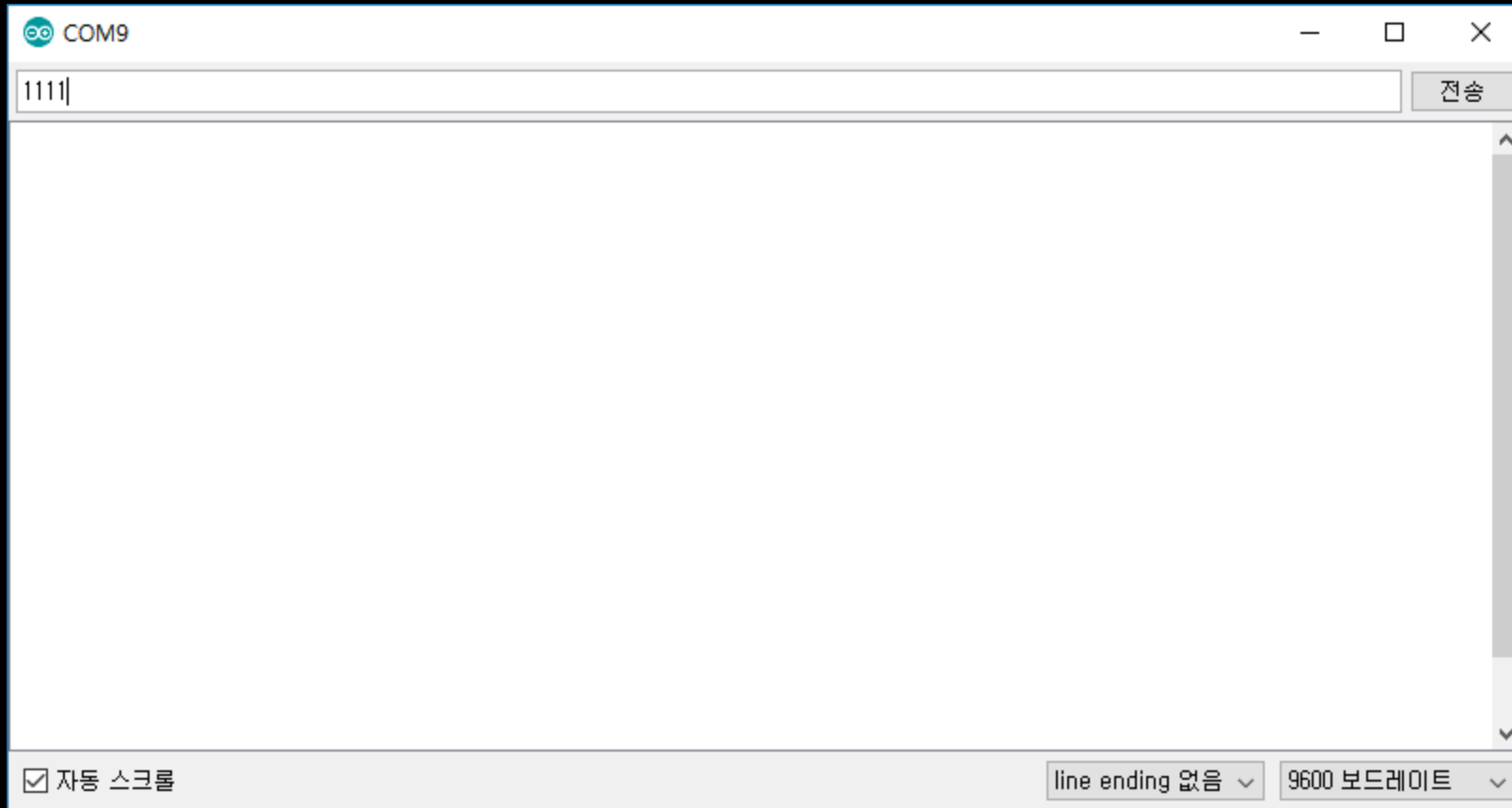
Continue Warming UP

Servo Test - Simple
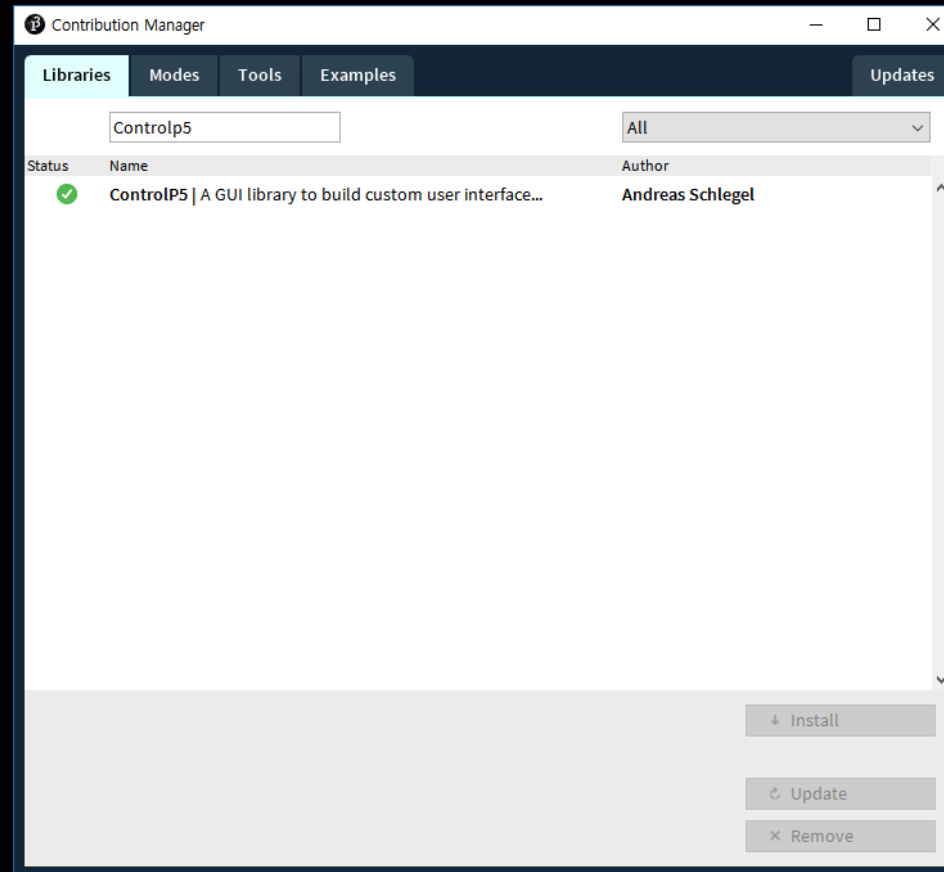
Servo Serial using Serial Monitor

- https://github.com/suakii/2016AdArduno/blob/master/Chapter2/gs_2_ServoSerial_arduino/gs_2_ServoSerial_arduino.ino

- //What is code?

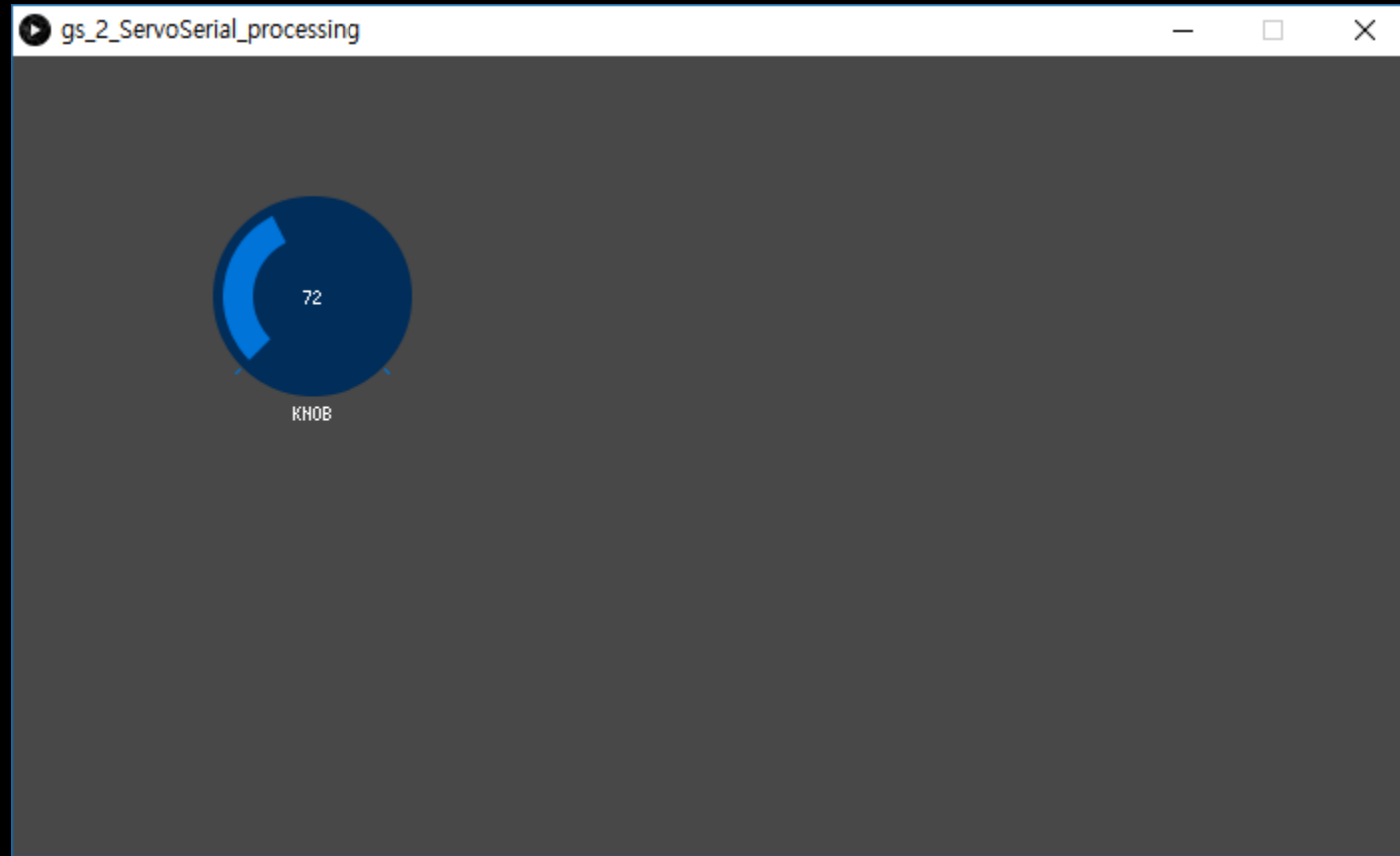# Send Rotate value to Arduino

ServoSerial Processing
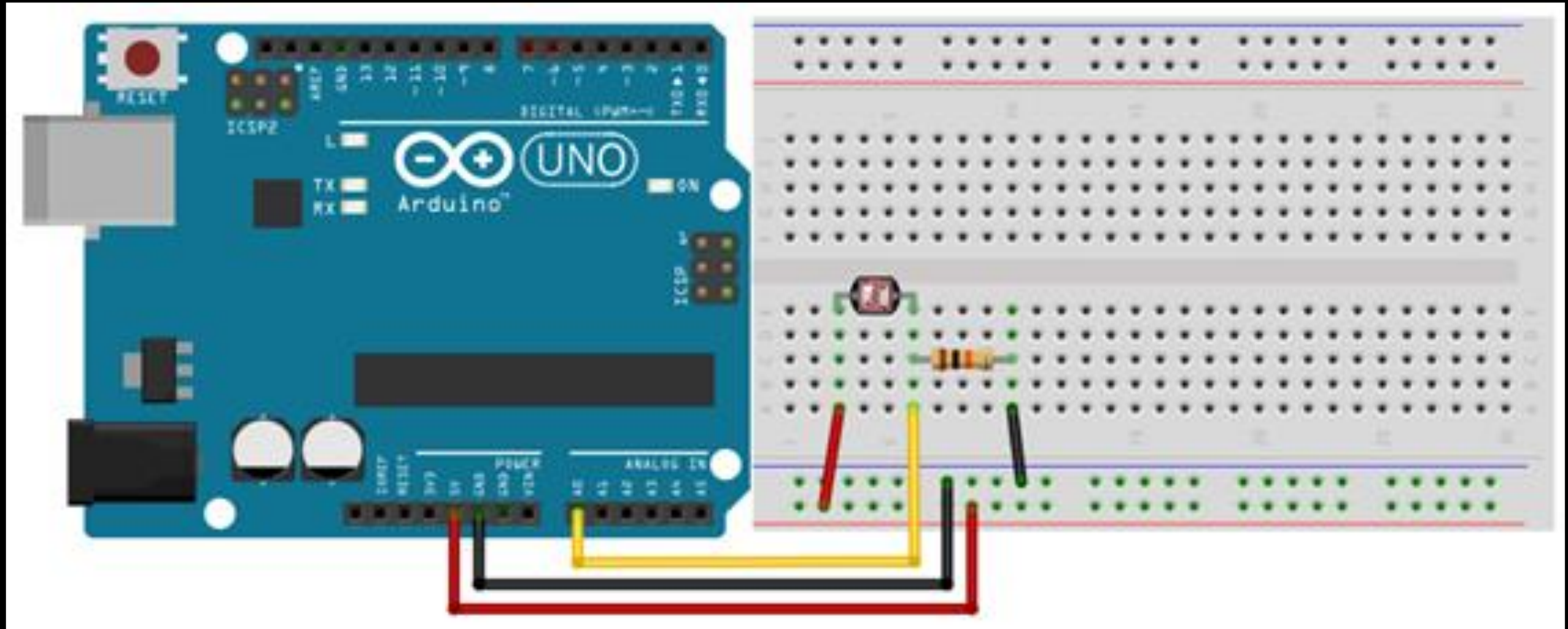
- First Install ControlP5 for UI at Processing

ServoSerial Processing

- https://github.com/suakii/2016AdArduno/blob/master/Chapter2/gs_2_ServoSerial_processing/gs_2_ServoSerial_processing.pde

ServoSerial Processing - Cool

ServoTwoLDR – Light Tracking Simple

ServoTwoLDR – Light Tracking Simple

- https://github.com/suakii/2016AdArduno/blob/master/Chapter2/gs_4_ServoTwoLDR/gs_4_ServoTwoLDR.ino

CU Later....