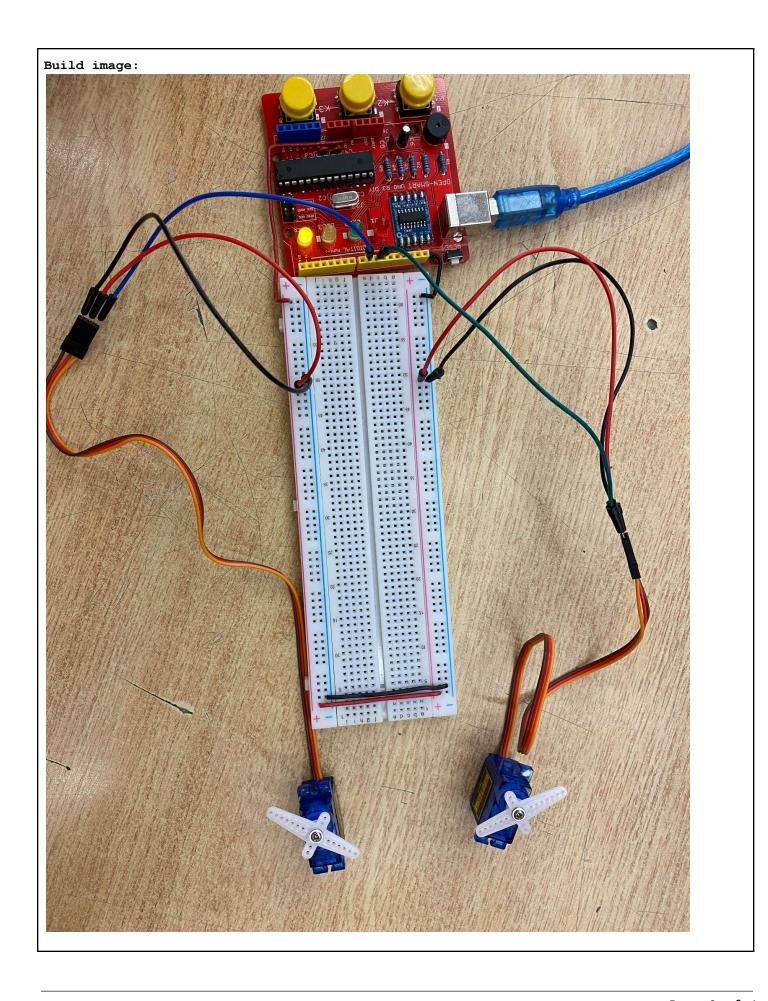
LVL	Criteria
R	
1	
2	
3	
4	"build and wire"[3]
	<pre>□ code commenting is accurate and complete (including title)[½] □ program structure and spacing is logical and demonstrates organization[½] □ code text submission is courier new font and is coloured to allow easier identification of comments[½] "inspection questions"[1]</pre>
	demonstrates full understanding of circuit and interfacing concepts in conversation with teacher
4+	<pre>"enhancements"[1]</pre>



```
code:
Names: Siddarth & Mostafa
Dates: May 11, 2022
Description: Code for interfacing lab 11 - Servos
#include <Servo.h> // including servo library (allows for servo control)
Servo servo1, servo2; // initializes both servo motors
void setup()
    servol.attach(10); //sets the pin for the first servo motor to 10
    servo2.attach(9); //sets the pin for the second servo motor to 9
void loop()
    servo1.write(90); //sets both servos to 90 degrees
    servo2.write(90);
    delay(2000); //delay for 2 seconds
    servol.write(180); //sets first servo to 180 degrees
    servo2.write(0); //sets second servo to 0 degrees
    delay(2000); //delay for 2 seconds
    servo1.write(0); //sets first servo to 0 degrees
    servo2.write(180); //sets second servo to 180 degrees
    delay(2000); //delay for 2 seconds
    //sweep 1
    for(int position = 0; position < 180; position += 2)</pre>
        servo1.write(position); //sends first servo the position
        servo2.write(180-position); // second servo receives 180 - position
                                    // which causes it to be opposite in motion to
                                    // the first servo
```