📖 **leeassam** / **arduino-bootcamp**   Public

Code	Issues	Pull requests	Actions	Projects	Wiki	Security	Insights

🔀 master ▾   •••

arduino-bootcamp / Wii_Pan_Tilt / DualServoSweep / **DualServoSweep.ino**

leeassam modified dual servo sweep   🕐

👥 **1 contributor**

41 lines (30 sloc) | 1.12 KB   •••

```
 1   /*
 2      Arduino Bootcamp
 3
 4      - Dual Servo Sweep
 5
 6      This project demonstrates how two servos can be controlled
 7
 8      created 10/30/2016
 9      modified 10/30/2016
10      by: Lee Assam
11
12   */
13
14   #include <Servo.h>
15
16   Servo myservo1;  // create servo object to control a servo
17   // twelve servo objects can be created on most boards
18
19   Servo myservo2;
20
21   int pos = 0;    // variable to store the servo position
22
23   void setup() {
24     myservo1.attach(9);  // attaches the servo on pin 9 to the servo object
25     myservo2.attach(10);  // attaches the servo on pin 10 to the servo object
26   }
27
28   void loop() {
29     for (pos = 0; pos <= 180; pos += 1) { // goes from 0 degrees to 180 degrees
30       // in steps of 1 degree
31       myservo1.write(pos);
32       myservo2.write(pos);  // tell servo to go to position in variable 'pos'
```

```
33       delay(15);                       // waits 15ms for the servo to reach the position
34     }
35     for (pos = 180; pos >= 0; pos -= 1) { // goes from 180 degrees to 0 degrees
36       myservo1.write(pos);              // tell servo to go to position in variable 'pos'
37       myservo2.write(pos);
38       delay(15);                       // waits 15ms for the servo to reach the position
39     }
40   }
41
```