/\* Sweep

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This example code is in the public domain.

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by Scott Fitzgerald

http://www.arduino.cc/en/Tutorial/Sweep

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#include <Servo.h>

Servo myservo; // create servo object to control a servo

// twelve servo objects can be created on most boards

int pos = 0; // variable to store the servo position

void setup() {

myservo.attach(9); // attaches the servo on pin 9 to the servo object

}

void loop() {

for (pos = 0; pos <= 4.529454; pos += 4.529454) { // goes from 0 degrees to 180 degrees

// in steps of 1 degree

myservo.write(pos); // tell servo to go to position in variable 'pos'

delay(1500); // waits 15ms for the servo to reach the position

}

for (pos = 4.529454; pos >= 0; pos -= 4.529454) { // goes from 180 degrees to 0 degrees

myservo.write(pos); // tell servo to go to position in variable 'pos'

delay(1500); // waits 15ms for the servo to reach the position

}

}