#include <Servo.h>

Servo servo1;

Servo servo2;

Servo servo3;

Servo servo4;

int i = 0;

int LED1 = 10;

int LED2 = 11;

int LED3 = 12;

int LED4 = 13;

void setup() {

servo1.attach(3);

servo2.attach(5);

servo3.attach(6);

servo4.attach(9);

pinMode(LED1, OUTPUT);

pinMode(LED2, OUTPUT);

pinMode(LED3, OUTPUT);

pinMode(LED4, OUTPUT);

}

void loop() {

digitalWrite(LED1, HIGH); // turn the LED on (HIGH is the voltage level)

digitalWrite(LED2, HIGH);

digitalWrite(LED3, HIGH);

digitalWrite(LED4, HIGH);

for (i = 0; i < 180; i++) {

servo1.write(i);

servo2.write(i);

servo3.write(i);

servo4.write(i);

delay(10);

}

for (i = 180; i > 0; i--) {

servo1.write(i);

servo2.write(i);

servo3.write(i);

servo4.write(i);

delay(10);

}

}