#include <Servo.h>

Servo myservo;

String incomingByte ;

int potpin = 0;

int val;

int pos = 0;

void setup() {

pinMode(3,OUTPUT);

myservo.attach(9);

myservo.write(0);

Serial.begin(9600);

for(pos = 0; pos < 255; pos += 1) {

myservo.write(pos);

delay(15);

}

for(pos = 255; pos>=1; pos-=1) {

myservo.write(pos);

delay(15);

}

}

void loop() {

Serial.println("Indiquer un angle entre 0 et 180 degres : ");

incomingByte = Serial.readString() ;

while (Serial.available()==0) {

if(digitalRead(4)==0)

digitalWrite(3,1);

else

digitalWrite(3,0);

}

Serial.print("I received: ");

val = Serial.parseInt();

Serial.println(val);

myservo.write(val);

delay(200);

Serial.flush();

}