#include <SoftwareSerial.h> // TX RX software library for bluetooth

#include <Servo.h> // servo library

Servo myservo1, myservo2, myservo3, myservo4; // servo name

int bluetoothTx = 10; // bluetooth tx to 10 pin

int bluetoothRx = 11; // bluetooth rx to 11 pin

SoftwareSerial bluetooth(bluetoothTx, bluetoothRx);

void setup()

{

myservo1.attach(3); // attach servo signal wire to pin 9

myservo2.attach(5);

myservo3.attach(6);

myservo4.attach(9);

//Setup usb serial connection to computer

Serial.begin(9600);

//Setup Bluetooth serial connection to android

bluetooth.begin(9600);

}

void loop()

{

//Read from bluetooth and write to usb serial

if(bluetooth.available()>= 2 )

{

unsigned int servopos = bluetooth.read();

unsigned int servopos1 = bluetooth.read();

unsigned int realservo = (servopos1 \*256) + servopos;

Serial.println(realservo);

if (realservo >= 1000 && realservo <1180) {

int servo1 = realservo;

servo1 = map(servo1, 1000, 1180, 0, 180);

myservo1.write(servo1);

Serial.println("Servo 1 ON");

delay(10);

}

if (realservo >= 2000 && realservo <2180) {

int servo2 = realservo;

servo2 = map(servo2, 2000, 2180, 0, 180);

myservo2.write(servo2);

Serial.println("Servo 2 ON");

delay(10);

}

if (realservo >= 3000 && realservo <3180) {

int servo3 = realservo;

servo3 = map(servo3, 3000, 3180, 0, 180);

myservo3.write(servo3);

Serial.println("Servo 3 ON");

delay(10);

}

if (realservo >= 4000 && realservo <4180) {

int servo4 = realservo;

servo4 = map(servo4, 4000, 4180, 0, 180);

myservo4.write(servo4);

Serial.println("Servo 4 ON");

delay(10);

}

}