智能家居软件源代码

**核心一代码：**

คิดถึง77:

#include "IR\_remote.h"

#include "keymap.h"

IRremote ir(9);

#include <EM\_TTP229.h>

EM\_TTP229 mTTP229;

int SCLPin = 8, SDOPin = A1;

String Read\_Key () {

String key\_name = mTTP229.GetKeyMap();

char \* result = (char \*)key\_name.c\_str();

return result;

}

#include <Servo.h>

#include <Wire.h>

#include <TM1650.h>

#include <DHT.h>

String item;

volatile int 次数;

volatile int i;

String password[]={"0", "0", "0"};

Servo servo\_2;

Servo servo\_3;

TM1650 tm\_4display;

volatile int light;

DHT dhtA2(A2, 11);

void setMotor8833(int speedpin,int dirpin, int speed)

{

if (speed == 0)

{

digitalWrite(dirpin, LOW);

analogWrite(speedpin, 0);

}

else if (speed > 0)

{

digitalWrite(dirpin, LOW);

analogWrite(speedpin, speed);

}

else

{

digitalWrite(dirpin, HIGH);

analogWrite(speedpin, 255 + speed);

}

}

void my\_2() {

tm\_4display.clear();

light = analogRead(A3);

tm\_4display.displayString(light);

if (digitalRead(7) == 0) {

servo\_3.write(90);

delay(500);

} else {

if (light > 200) {

servo\_3.write(0);

delay(500);

} else {

servo\_3.write(90);

delay(500);

}

}

if (dhtA2.readTemperature() > 30) {

setMotor8833(5, 6, 100);

} else {

setMotor8833(5, 6, 0);

}

}

void my\_3() {

if (ir.getIrKey(ir.getCode(),2) == EM\_IR\_KEYCODE\_3) {

servo\_2.write(0);

delay(500);

}

if (ir.getIrKey(ir.getCode(),2) == EM\_IR\_KEYCODE\_4) {

servo\_2.write(90);

delay(500);

}

if (ir.getIrKey(ir.getCode(),2) == EM\_IR\_KEYCODE\_5) {

servo\_3.write(90);

delay(500);

}

if (ir.getIrKey(ir.getCode(),2) == EM\_IR\_KEYCODE\_6) {

servo\_3.write(0);

delay(500);

}

if (ir.getIrKey(ir.getCode(),2) == EM\_IR\_KEYCODE\_7) {

setMotor8833(5, 6, 100);

}

if (ir.getIrKey(ir.getCode(),2) == EM\_IR\_KEYCODE\_8) {

setMotor8833(5, 6, 0);

}

}

void my\_1() {

item = Read\_Key();

if (item == "1" && 次数 == 0) {

Serial.println(item);

password[(int)(0)] = item;

次数 = 1;

delay(100);

}

if (item == "2" && 次数 == 1) {

Serial.

คิดถึง77:

**核心二 代码：**

คิดถึง77:

#include <Servo.h>

#include <SoftI2CMaster.h>

#include <LiquidCrystal\_SoftI2C.h>

Servo servo\_2;

LiquidCrystal\_SoftI2C mylcd(0x27,16,2,A5,A4);

void setup(){

pinMode(4, INPUT);

pinMode(3, OUTPUT);

pinMode(7, INPUT);

servo\_2.attach(2);

pinMode(9, INPUT);

pinMode(10, OUTPUT);

mylcd.init();

mylcd.backlight();

servo\_2.write(0);

delay(500);

}

void loop(){

mylcd.setCursor(5-1, 1-1);

mylcd.print("welcome");

mylcd.setCursor(3-1, 2-1);

mylcd.print("smart home");

if (digitalRead(4) == 1) {

digitalWrite(3,HIGH);

delay(2000);

} else {

digitalWrite(3,LOW);

}

if (digitalRead(7) == 0) {

servo\_2.write(90);

delay(500);

delay(2000);

} else {

servo\_2.write(0);

delay(500);

}

if (analogRead(A1) > 100 || digitalRead(9) == 0) {

digitalWrite(10,HIGH);

delay(1000);

digitalWrite(10,LOW);

} else {

digitalWrite(10,LOW);

}

}