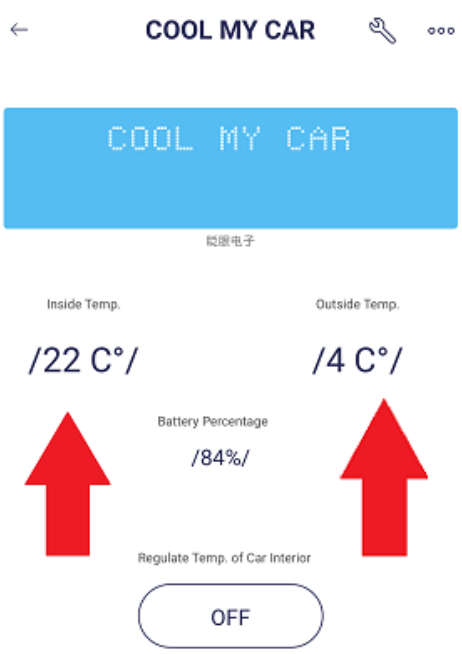


```
#include <ESP8266WiFi.h>
#include <BlynkSimpleEsp8266.h>

char auth[] = EYdFfT32z7CZ-TNtI9KQzt7k5G6inMYS;

// Your WiFi credentials.
// Set password to "" for open networks.
char ssid[] = "eduroam";
char pass[] = "ksamp081";

#include "DHT.h"

#define DHTPIN
#define DHTTYPE DHT22
#define fan 4

int motion = 6;
int motionvalue;
const int buzzer = 9;
int speakerPin =9;
int maxHum = 60;
int maxTemp = 24;

DHT dht(DHTPIN, DHTTYPE);
```

```
void setup() {
    pinMode(motion, INPUT);
    pinMode(buzzer, OUTPUT);
    pinMode(fan,OUTPUT);
    Serial.begin(9600);
    dht.begin();
}

void loop(){
  delay(1000);

  float h = dht.readHumidity();

  float t = dht.readTemperature();

  motion_value= digitalRead(motion);
  int pressure_analogReading = analogRead(A0);

  if (isnan(h) || isnan(t)) {
  Serial.prinln("Failed to read from DHT sensor!);
  return;
}
if(t > maxTemp && motion_value == 1 && pressure_analogReading > 500) {
```

```
if(t > maxTemp && motion_value == 1 && pressure_analogReading > 500) {
    digitalWrite(fan, HIGH);
    tone(buzzer, 1000)
    delay(500);
    noTone(buzzer);
    delay(500);

} else {
  digitalWrite(fan, LOW);
  noTone(buzzer);
}

Serial.print("Temperature: ");
Serial.print(t);
Serial.print(" *C ")
Serial.print(" %\t");
Serial.print("Motion: ")
Serial.print(motion_value);
Serial.print(" %\t");
Serial.print("Force sensor:");
Serial.println(pressure_analogReading)
}
```