 void setup() {

// put your setup code here, to run once:

**Serial**.begin(115200);

**Serial**.println("Hello, ESP32!");

}

void loop() {

  // put your main code here, to run repeatedly:

  delay(10);

#define pirPin 2

int calibrationTime = 30;

long unsigned int lowIn;

long unsigned int pause = 5000;

boolean lockLow = true;

boolean takeLowTime;

int PIRValue = 0;

void setup() {

**Serial**.begin(9600);

   pinMode(pirPin, INPUT);

}

void loop() {

   PIRSensor();

}

void PIRSensor() {

   if(digitalRead(pirPin) == HIGH) {

      if(lockLow) {

         PIRValue = 1;

         lockLow = false;

**Serial**.println("Motion detected.");

         delay(50);

      }

      takeLowTime = true;

   }

   if(digitalRead(pirPin) == LOW) {

      if(takeLowTime){

         lowIn = millis();takeLowTime = false;

      }

      if(!lockLow && millis() - lowIn > pause) {

         PIRValue = 0;

         lockLow = true;

**Serial**.println("Motion ended.");

         delay(50);

      }

   }

}

}

