

```

int sensor = 2; // Connected to digital output of KY-038 sound sensor
module
int led = 13; // Connected to postive of led
int motor = 4;
boolean is_on = false; //To determine/track if led is on or off

void setup() {
  pinMode(sensor, INPUT); //Setting the pin to input for reading data
  pinMode(led, OUTPUT); //Setting the pin to output for turning the led
on/off
  pinMode(motor, OUTPUT);

  Serial.begin(9600);
}

void loop() {

  int data = digitalRead(sensor); //Reading data from sensor and storing
in variable
  Serial.println(data);
  if (data == 1) { // 1 is sent from sensor when loud noise is detected
    digitalWrite(4, HIGH);
    delay(10000);
    digitalWrite(4,LOW);
  }
  //
  //  if (is_on == true) { // If led is on then turn it off
  //    digitalWrite(led, LOW);
  //    is_on = false;
  //    digitalWrite(3, LOW);
  //  }
  //  else { // else if led is off then turn it on
  //    digitalWrite(led, HIGH);
  //    is_on = true;
  //    digitalWrite(3, LOW);
  //  }
  // }
}

```