int soundSensorPin = A0;

int relayPin = 8;

void setup() {

  pinMode(soundSensorPin, INPUT);

  pinMode(relayPin, OUTPUT);

}

void loop() {

  int sensorValue = analogRead(soundSensorPin);

  if (sensorValue > 500) {  // Adjust the threshold value as per your sound sensor

    digitalWrite(relayPin, HIGH);  // Turn on the relay

    delay(500);  // Delay for half a second

    digitalWrite(relayPin, LOW);  // Turn off the relay

  }

}