

Burglar theft Alarm using Arduino

```
int ledPin = 13;
int inputPin = 2;
int pirState = LOW;
int val = 2;
int piezoPin = 12;

void setup() {
  pinMode(ledPin, OUTPUT);
  pinMode(piezoPin, OUTPUT);
  pinMode(inputPin, INPUT);
  Serial.begin(9600);
}

void loop(){
  val = digitalRead(inputPin);
  if (val == HIGH) {
    digitalWrite(ledPin, HIGH);
    digitalWrite(ledPin, HIGH);
    tone(piezoPin, 1000, 600);
    // turn LED ON
    if (pirState == LOW) {
      Serial.println("Motion Detected!");
      pirState = HIGH;
    }
  } else {
    digitalWrite(ledPin, LOW);
    if (pirState == HIGH){
      Serial.println("Motion ended!");
      pirState = LOW;
    }
  }
}
```