Sound Sensor to LED

URL to video demo:

<https://drive.google.com/file/d/19xwRG4q0Y06yv3syiYYozPFNYY1yet2b/view?usp=sharing>

Code:

//The sound sensor detects sounds and lights up an LED

int soundPin = A2; //connect sound sensor to A2

int ledPin = 4; //connect LED to D4

void setup() {

pinMode(ledPin, OUTPUT);

Serial.begin(9600);

}

void loop(){

int soundState = analogRead(soundPin); //read sound sensor’s value

Serial.println(soundState);

if (soundState > 200) {

digitalWrite(ledPin, HIGH); //when a sufficiently loud sound is detected, LED turns on

delay(10);

}

{

digitalWrite(ledPin, LOW); //when it's quiet (sound ends), LED turns off

}

}