

```
const int trigPin = 2;
const int echoPin = 3;

long duration;
int distance;

void setup() {
  pinMode(trigPin, OUTPUT);
  pinMode(echoPin, INPUT);
  pinMode(13, OUTPUT);

}

void loop()
{

  digitalWrite(13, LOW);
  digitalWrite(trigPin, LOW);
  delayMicroseconds(2);
  digitalWrite(trigPin, HIGH);
  delayMicroseconds(10);
  digitalWrite(trigPin, LOW);
  duration = pulseIn(echoPin, HIGH);
  distance= duration*0.034/2;
  Serial.println(distance);
  if(distance<50)
  {
    digitalWrite(13, HIGH) ;
    delay(2000);
    digitalWrite(13, LOW);
  }
}
```