#include<ellapsedmillis>

const int irSensorPin = 2;

const int IdrPin = A0;

const int buzzerPin = 3;

void setup(){

Serial.begin(9600);

pinMode(irSensorPin,INPUT);

pinMode(IdrPin, INPUT);

pinMode(buzzerPin,OUTPUT);

TCCR1A=0; //reset entire TCCR1A to 0

TCCR1B=0; //reset entire TCCR1B to 0

TCCR1B=B00000100; //set cs12 to 1 so to get 256prescalar

OCR1A=31250; //set compare register A to 31250(500ms)

sei(); // enable back the interrupts

}

void loop(){

int irSensorVal= digitalRead(irSensorPin);

int IdrVal = analogRead(IdrPin);

int buzzer\_state = LOW;

if(irSensorVal == HIGH && IdrVal<200)

{

ISR(TIMER1\_COMPA\_vec)

{

TCNT1 = 0;

buzzer\_state = !buzzer\_state;

digitalWrite(buzzerPin, buzzer\_state);

}

}