void setup()

{

pinMode(LED\_BUILTIN, OUTPUT);

Serial.begin(9600);

}

void loop()

{

int p = digitalRead(4);

Serial.println(p);

if(p)

Serial.println("Motion detected!!!");

if(p==1){ digitalWrite(8, HIGH);

delay(1000);

}

else

{digitalWrite(8, LOW);

delay(1000);

}

double a= analogRead(A0);

double t= (((a/1024)\*5)-0.5)\*100;

Serial.print("Temp value: ");

Serial.println(t);

if(t>100)

{ digitalWrite(13, HIGH);

delay(1000);

tone(12, 131);

delay(250);

noTone(12);

delay(125);

}

else

{digitalWrite(13, LOW);

delay(1000);

}

delay(1000);

}