// Piezo buzzer with temperature and PIR sensor

void setup()

{

Serial.begin(9600);

pinMode(8,OUTPUT);

pinMode(4,INPUT);

pinMode(A0,INPUT);

}

void loop()

{

int motion = digitalRead(4);

double i= analogRead(A0);

double n=i/1024;

double volt=n\*5;

double off=volt-0.5;

double temp=off\*100;

Serial.println("Temperature is ");

Serial.println(temp);

if (motion==1){

tone(8,1000);

delay(1000); }

else if(temp>60)

{tone(8,300,100);

delay(1000); }

else

noTone(8);

delay(1000);

}

