void setup()

{

Serial.begin(9600);

pinMode(2,INPUT);

pinMode(12,OUTPUT);

}

void loop()

{

double data=analogRead(A2);

double n=data/1024;

double volt=n\*5;

double off=volt-0.5;

double temperature=off\*100;

if(temperature>60)

{

tone(12,1000);

delay(1000);

noTone(12);

delay(1000);

}

else

{

noTone(20);

}

int motion=digitalRead(2);

if(motion==1)

{

tone(12,1000);

delay(1000);

noTone(12);

delay(1000);

}

else

{

noTone(20);

}

