int temppin=A2;//Temperature pin

float temp=0;

int Buzz=5; //Buzzer pin

int i=0;

int PIR= 2;

int val= 0;

void setup() {

// put your setup code here, to run once:

Serial.begin(9600);

pinMode(Buzz,OUTPUT);

pinMode(PIR, INPUT);

pinMode(temppin,INPUT);

analogWrite (Buzz,0);

}

void loop() {

// put your main code here, to run repeatedly:

temp=analogRead(temppin);

temp=temp\*0.48828125;

Serial.print("Temperature=");

Serial.println(temp);

val = digitalRead(PIR); // The value read from PIR pin 3 will be assigned to 'val'

if(val == HIGH){

digitalWrite(Buzz, HIGH); // Turn Buzzer ON

Serial.println("Movement Detected"); // Print this text in Serial Monitor

}

else

{

digitalWrite(Buzz, LOW);

Serial.println("Movement not Detected");

}

if (temp>60)

{

for(i=0;i<=254;i++)

{

analogWrite(Buzz,i);

}

i=255;

}

else

{analogWrite (Buzz,0);}

}