|  |
| --- |
|  |
| #include< |
|  |  | #include<Servo.h>  Servo s; |
|  |  |  |
|  |  | void setup() |
|  |  | { |
|  |  | Serial.begin(9600); |
|  |  | pinMode(13, OUTPUT); |
|  |  | pinMode(buzz,OUTPUT); |
|  |  | pinMode(4,INPUT); |
|  |  | s.attach(3); |
|  |  | } |
|  |  |  |
|  |  | void loop() |
|  |  | { |
|  |  | for(int i=0;i<=180;i=i+10) |
|  |  | { |
|  |  | s.write(i); |
|  |  | digitalWrite(13, HIGH); |
|  |  | delay(1000); |
|  |  | digitalWrite(13, LOW); |
|  |  | delay(1000); |
|  |  | } |
|  |  | for(int p=0;p<=180;p=p++) |
|  |  | { |
|  |  | double a = analogRead(A0); |
|  |  | double c = (((a/1024\*5)-0.5)\*100); |
|  |  | Serial.print("celcius value:"); |
|  |  | Serial.println(c); |
|  |  |  |
|  |  | if(c>60) |
|  |  | { |
|  |  | tone(buzz,200); |
|  |  | delay(250); |
|  |  | noTone(buzz); |
|  |  | tone(buzz,200); |
|  |  | delay(250); |
|  |  | tone(buzz,200); |
|  |  | delay(250); |
|  |  | noTone(buzz); |
|  |  | tone(buzz,200); |
|  |  | delay(250); |
|  |  | noTone(buzz); |
|  |  | } |
|  |  | else |
|  |  |  |
|  |  | delay(1000); |
|  |  | } |
|  |  | int v = digitalRead(4); |
|  |  | if(v==1) |
|  |  | { |
|  |  | Serial.println("motion detected"); |
|  |  | delay(1000); |
|  |  | } |
|  |  | else |
|  |  | { |
|  |  | Serial.println("motion not detected"); |
|  |  | delay(1000); |
|  |  | } |
|  |  |  |
|  |  |  |
|  |  | } |
|  |  |  |