

## ARDUINO UNO CODE

```
void setup()
{
  Serial.begin(9600);
  pinMode(2,INPUT);
  pinMode(12,OUTPUT);
}
void loop()
{
  int motion=digitalRead(2);
  if(motion==1){
    Serial.println("Motion detected");
    tone(12,10);
    delay(1000);
    noTone(12);
    delay(1000);
  }
  else{
    Serial.println("No motion");
```

```
}  
double data=analogRead(A2);  
double n=data/1024;  
double volt=n*5;  
double off=volt-0.5;  
double temperature=off*100;  
Serial.print("Temperature data: ");  
Serial.println(temperature);  
if(temperature>60.00)  
{  
    tone(12,100);  
    delay(500);  
    noTone(12);  
    delay(500);  
}  
  
}
```

