

Components Basic

Search

Resistor	LED	Pushbutton
Potentiometer	Capacitor	Slideswitch
9V Battery	Coin Cell 3V Battery	1.5V Battery
Breadboard Small	micro:bit	Arduino Uno R3



Code

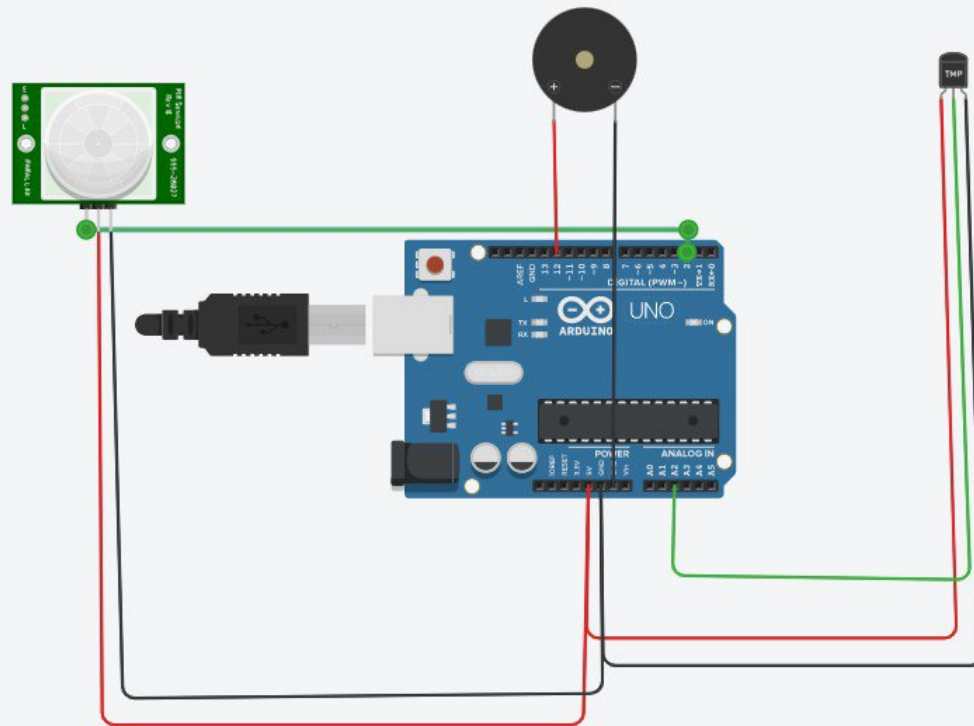
Start Simulation

Send To

Text



1 (Arduino Uno R3)



```
1 void setup()
2 {
3   Serial.begin(9600);
4   pinMode(2, INPUT);
5 }
6 void loop()
7 {
8   int motion=digitalRead(2);
9   double data=analogRead(A2);
10  double n=data/1024;
11  double volt=n*5;
12  double off=volt-0.5;
13  double temperature=off*100;
14  if( (motion==HIGH||temperature>60)&&!(motion==HIGH&&temperature>60) )
15  {
16    if(temperature>60)
17    {
18      tone(12,2500);
19      Serial.println("temperature is high");
20    }
21    else
22    {
23      tone(12,3500);
24      Serial.println("Motion detected");
25    }
26  }
27  else if(motion==HIGH&&temperature>60)
28  {
29    tone(12,200);
30    Serial.println("temperature is high and Motion detected");
31  }
32  else
33  {
34    noTone(12);
35    Serial.println("NO Motion detected and temperature is normal");
36  }
37 }
```

Serial Monitor









