

CODE

```
/ C++ code

//

void setup()

{

  Serial.begin(9600);

  pinMode(7,INPUT);

  pinMode(6,OUTPUT);

}


void loop()

{

  int freq1=200,freq2=700;

  int n=digitalRead(7);

  Serial.print("motion");

  Serial.println(n);

  delay(1000);

  double temp=analogRead(A0);

  double n1=temp/1024;

  double vout=n1*5;

  double off=vout-0.5;

  double temperature=off*100;

  Serial.println(temperature);

  if(temperature>=60)

  {

    tone(6,freq2,1000);

  }

  else if(n==1)

  {

    tone(6,freq1,1000);

  }

}
```

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```
13 int freq1=200,freq2=700;
14 int n=digitalRead(7);
15 Serial.print("motion");
16 Serial.println(n);
17 delay(1000);
18
19
20 double temp=analogRead(A0);
21 double n1=temp/1024;
22 double vout=n1*5;
23 double off=vout-0.5;
24 double temperature=off*100;
25 Serial.println(temperature);
26 if(temperature>=60)
27 {
28   tone(6,freq2,1000);
29 }
30 else if(n==1)
31 {
32   tone(6,freq1,1000);
33 }
34
35 }
```

Serial Monitor

```
71.09
motion0
71.09
motion0
71.09
motion0
71.09
motion0
```

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