

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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Arduino Uno R3 Name 1

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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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Code

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Arduino Uno R3

Name 1

Vibration Motor

DC Motor

Micro Servo

Hobby Gearmotor

NPN Transistor...

LED RGB

Diode

Photoresistor

Soil Moisture Sensor

Ultrasonic Distance...

PIR Sensor

Piezo

THP

125.0 mA

The circuit diagram shows an Arduino Uno R3 board with the following connections:

- DC Motor:** Connected to digital pins 2 and 3.
- PIR Sensor:** Connected to digital pin 4.
- Piezo Sensor:** Connected to digital pin 5.
- Arduino Board:** Connected to a USB cable and a power source.

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