**CODE:**

void setup()

{

Serial.begin(9600);

pinMode(2,INPUT);

pinMode(9,OUTPUT);

}

void loop()

{

double data=analogRead(A2);

double n=data/1024;

double volt=n\*5;

double off=volt-0.5;

double temp=off\*100;

Serial.print("Temperature data : ");

Serial.println(temp);

int motion=digitalRead(2);

if(temp>=60)

{

tone(9,100);

delay(1000);

}

else if(motion==1)

{

tone(9,200);

delay(1000);

}

else

{

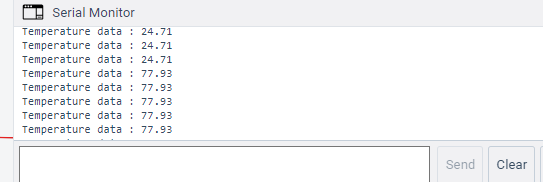
noTone(9);

delay(1000);

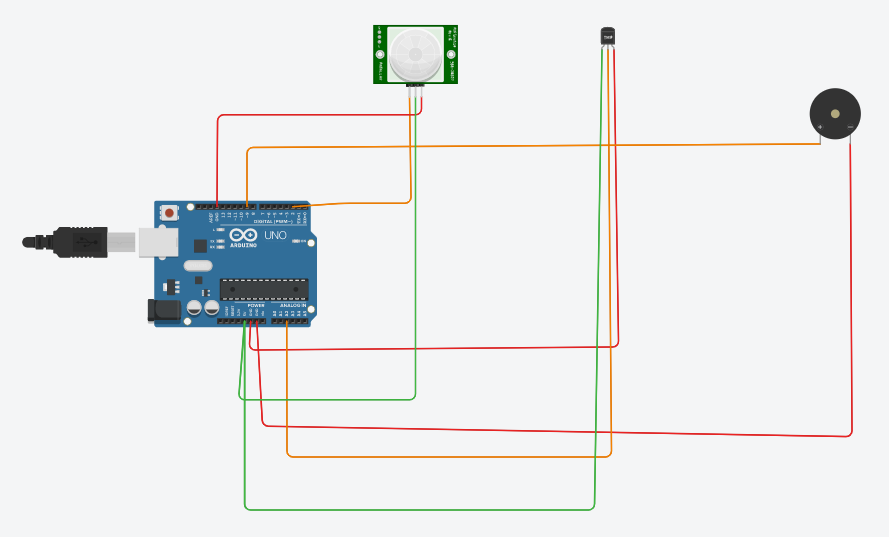
}

}

**OUTPUT:**

****

**CIRCUIT DIAGRAM:**

****