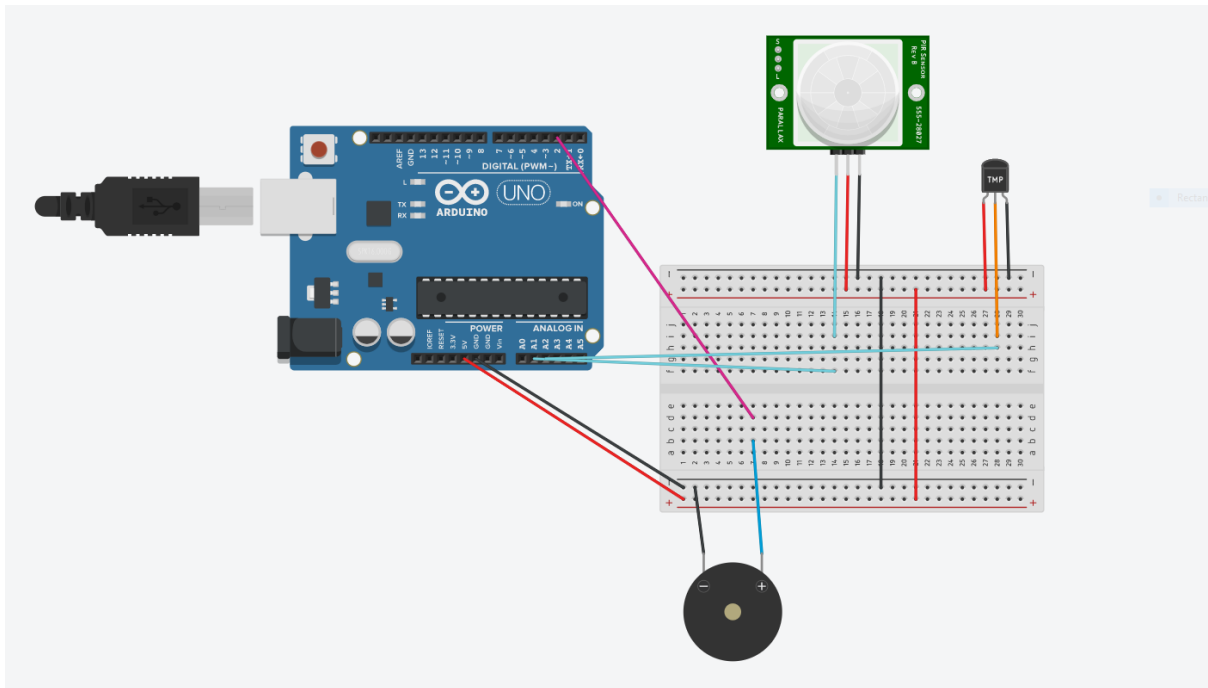





# Assignment 1



CIRCUIT (Drive link)

[https://drive.google.com/file/d/1581s7h\\_R\\_AjpIxFRhDRU6iX-kNZtK2SP/view?usp=drivesdk](https://drive.google.com/file/d/1581s7h_R_AjpIxFRhDRU6iX-kNZtK2SP/view?usp=drivesdk)

Text



1 (Arduino Uno R3)

```
1  int Buzzer= 2;
2  int Temperature_sensor= A2;
3  int PIR= A1;
4  int val1= 0;
5  int val2= 0;
6  void setup() {
7    pinMode(Buzzer, OUTPUT);
8    pinMode(Temperature_sensor, INPUT);
9    pinMode(PIR, INPUT);
10   Serial.begin(9600);
11 }
12 void loop() {
13   val1 = analogRead(PIR);
14   val2 = analogRead(Temperature_sensor);
15   float temp = ( val2/1024.0)*5000;
16   float cel = temp/10;
17   if(val1 == HIGH)
18   {
19     digitalWrite(Buzzer, HIGH);
20   }
21   else if(cel > 60)
22   {
23     digitalWrite(Buzzer,HIGH);
24   }
25   else
26   {
27     digitalWrite(Buzzer, LOW);
28   }
29 }
30
31
```

## CODE

int Buzzer= 2;

int Temperature\_sensor= A2;

int PIR= A1;

int val1= 0;

```
int val2= 0;

void setup() {
  pinMode(Buzzer, OUTPUT);
  pinMode(Temperature_sensor, INPUT);
  pinMode(PIR, INPUT);
  Serial.begin(9600);
}

void loop() {
  val1 = analogRead(PIR);
  val2 = analogRead(Temperature_sensor);
  float temp = ( val2/1024.0)*5000;
  float cel = temp/10;
  if(val1 == HIGH)
  {
    digitalWrite(Buzzer, HIGH);
  }
  else if(cel > 60)
  {
    digitalWrite(Buzzer,HIGH);
  }
  else
  {
    digitalWrite(Buzzer, LOW);
  }
}
```