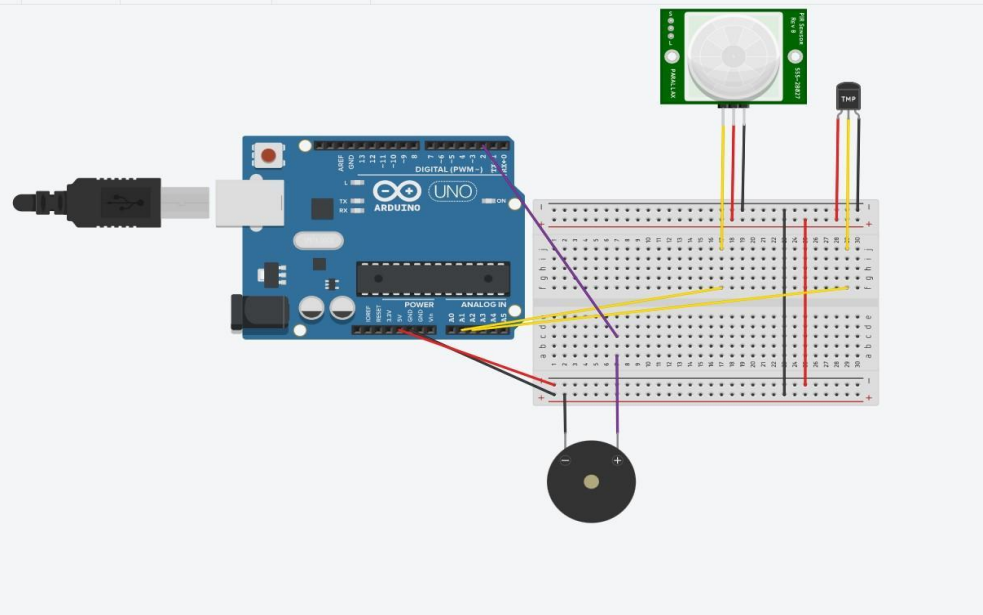
# ASSIGNMENT_1




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
7  void setup() {
8
9  pinMode(Buzzer, OUTPUT);
10 pinMode(Temperature_sensor, INPUT);
11 pinMode(PIR, INPUT);
12 Serial.begin(9600);
13 }
14
15 void loop() {
16
17 val1 = analogRead(PIR);
18 val2 = analogRead(Temperature_sensor);
19 float temp = ( val2/1024.0)*5000;
20 float cel = temp/10;
21 if(val1 == HIGH)
22 {
23   digitalWrite(Buzzer, HIGH);
24 }
25 else if(cel > 60)
26 {
27   digitalWrite(Buzzer,HIGH);
28 }
29 else
30 {
31   digitalWrite(Buzzer, LOW);
32 }
33 }
```

Serial Monitor

## 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);
}
}
```