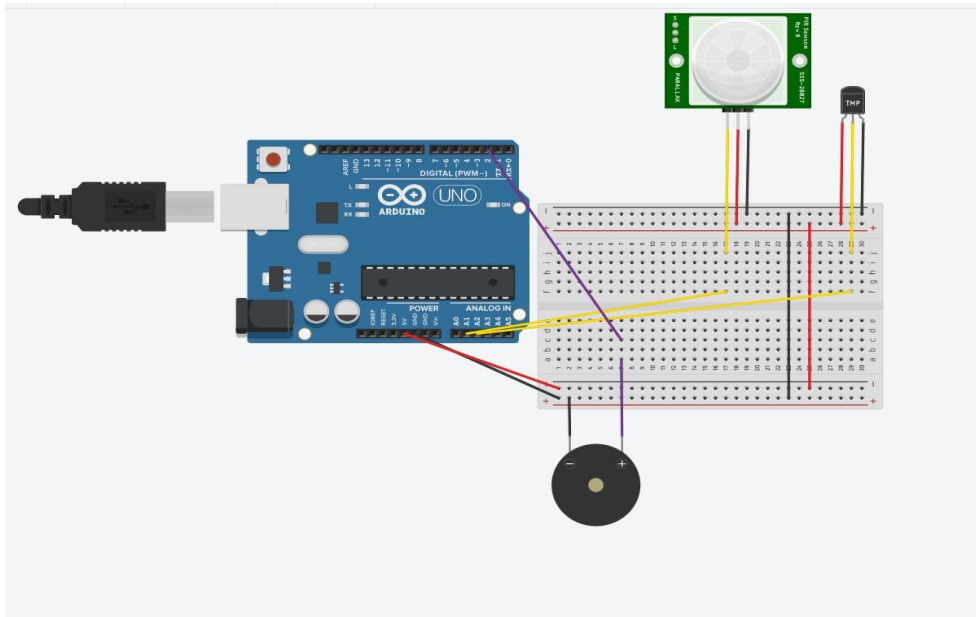


ASSIGNMENT 1

NAME : VAISHNAVI P

ROLL NO: 711319EC129



```
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);  
}  
}
```