ASSIGNMENT-1
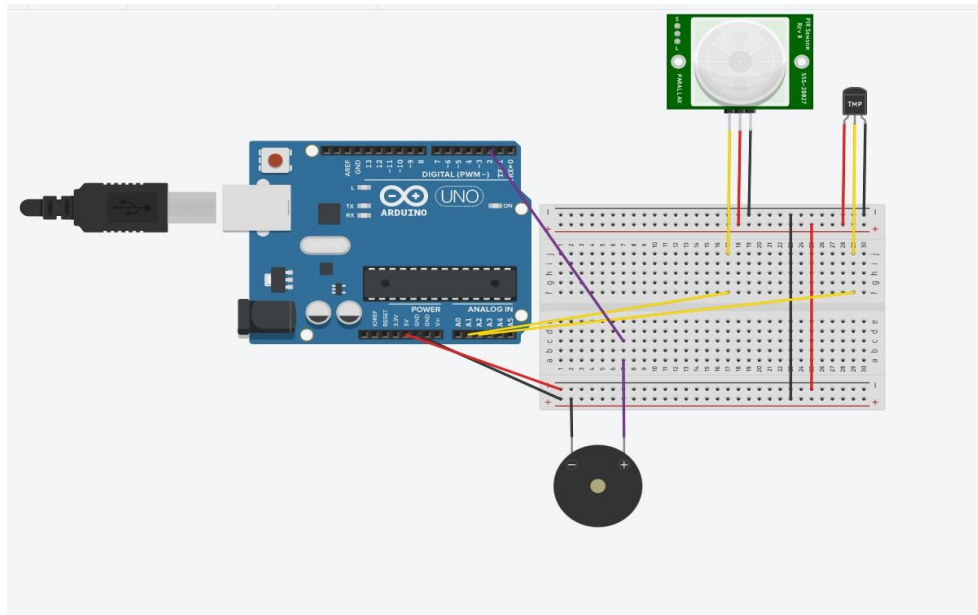
Name   :Sivasudhan A

Roll no :711319EC108


```
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 }
```

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);
}
```