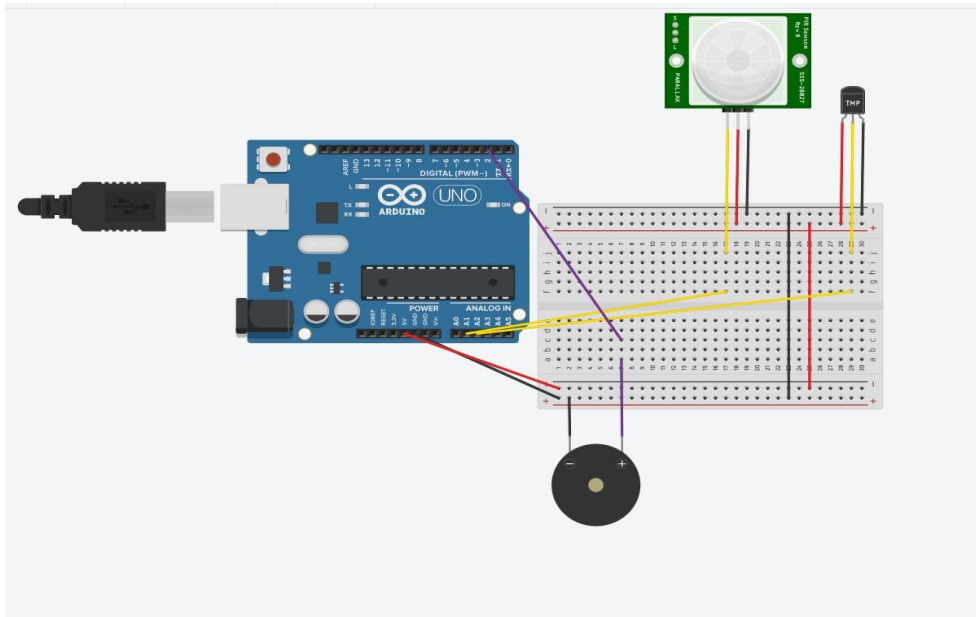
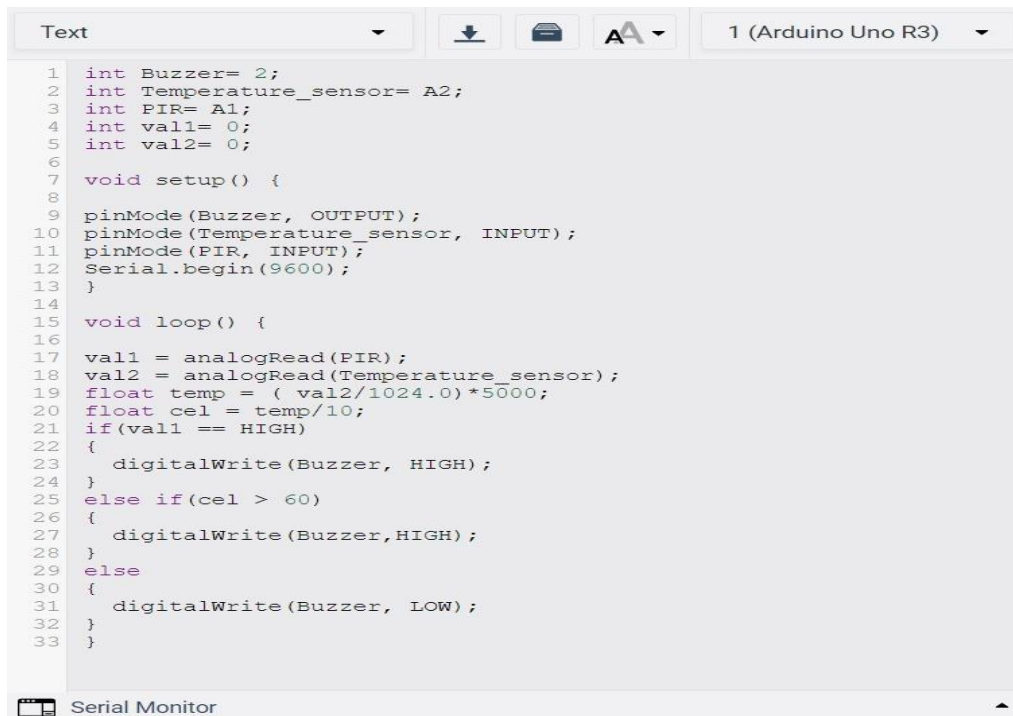


# ASSIGNMENT 1

NAME : SANDHIYA R

ROLL NO: 711319EC098





```
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 }
```

## 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);  
}  
}
```