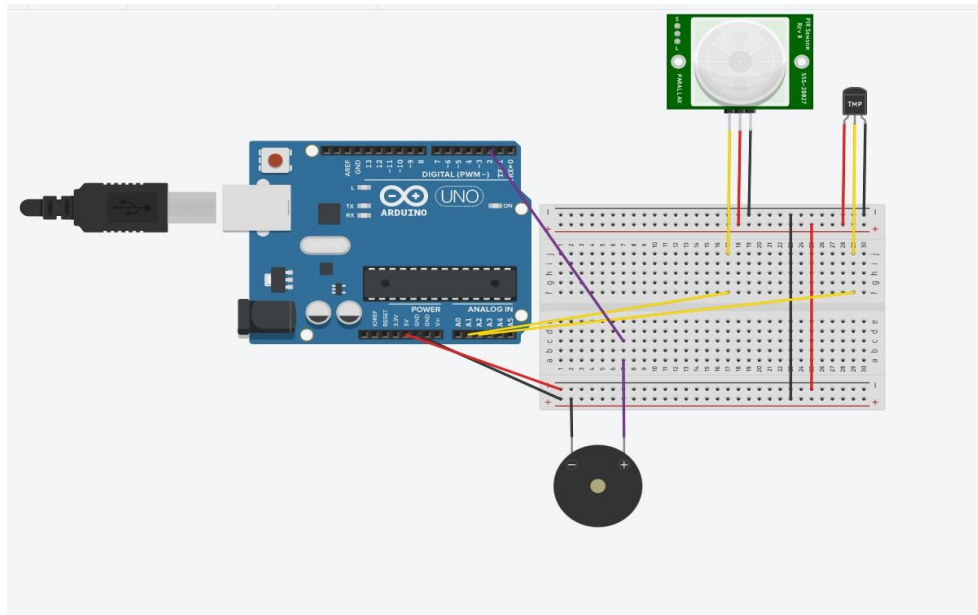


# ASSIGNMENT-1

Name : Yamini K

Roll no : 711319EC136



```
Text 1 (Arduino Uno R3)
1 int Buzzer= 2;
2 int Temperature_sensor= A2;
3 int FIR= A1;
4 int val1= 0;
5 int val2= 0;
6 void setup() {
7   pinMode(Buzzer, OUTPUT);
8   pinMode(Temperature_sensor, INPUT);
9   pinMode(FIR, INPUT);
10  Serial.begin(9600);
11 }
12 void loop() {
13   val1 = analogRead(FIR);
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 }
```

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);  
}
```