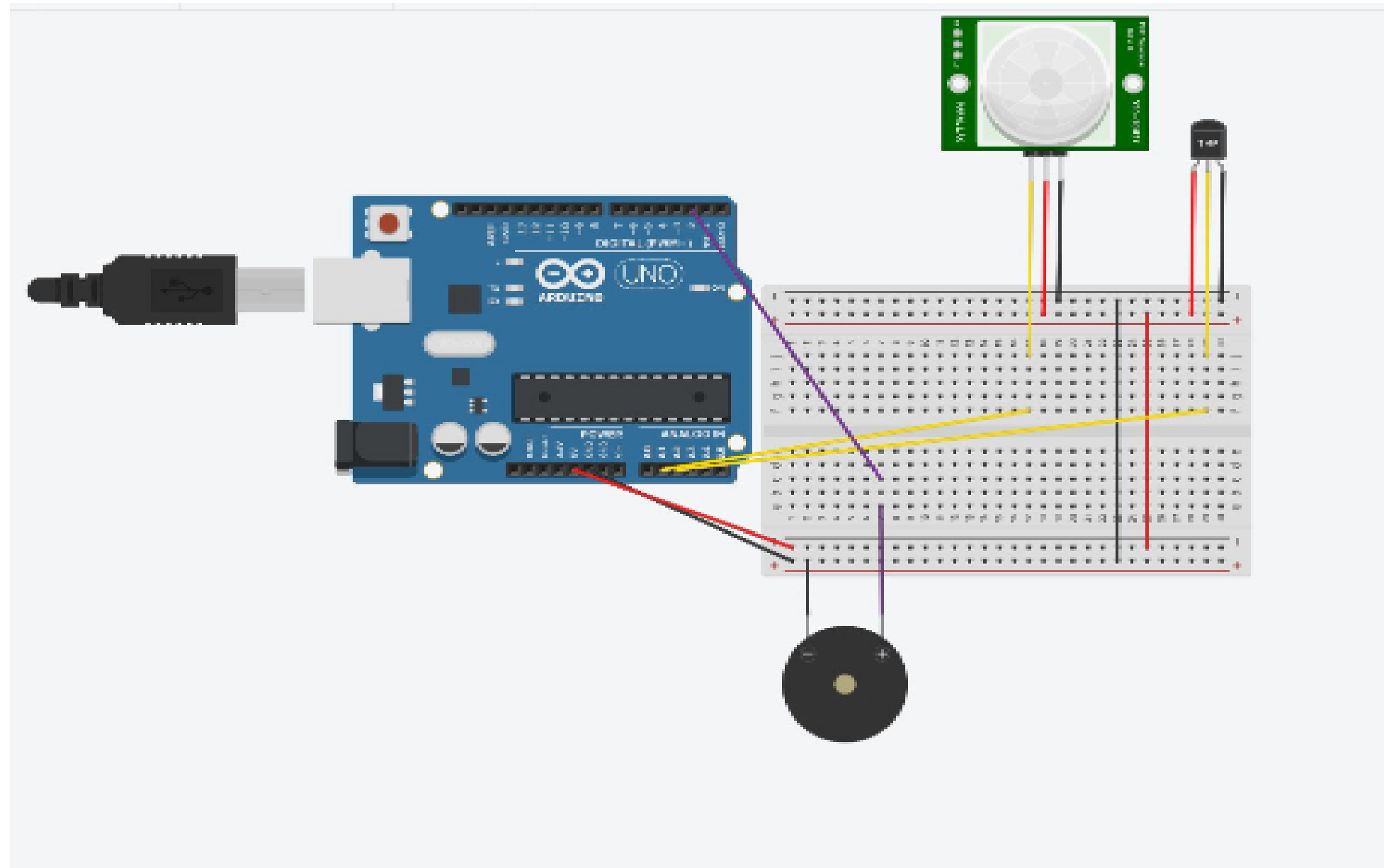


ASSIGNMENT_1



```
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);
```

```
}
```

```
}
```