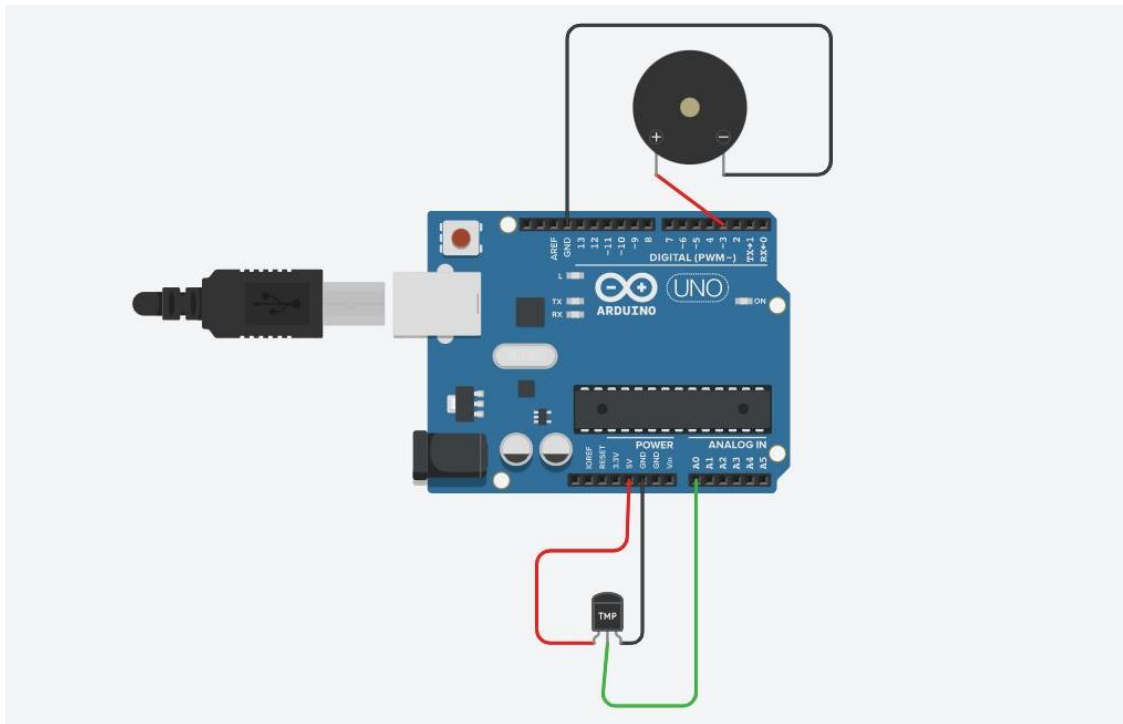# 1) Arduino With Temperature Sensor and Buzzer :-

➔ **Circuit Connections**

Code:

```
float sensorValue, Celsius;


void setup() {
```

```
  Serial.begin(9600);

  pinMode(A0, INPUT);

  pinMode(3, OUTPUT);


}


void loop() {

  sensorValue = analogRead(A0);

  Celsius = (sensorValue*5000/1024)/10;

  Serial.print("Celsius: ");

  Serial.print(Celsius);

  Serial.print("\n");



  if(Celsius>60)

  {

    digitalWrite(3, HIGH);

  }

  else{
```
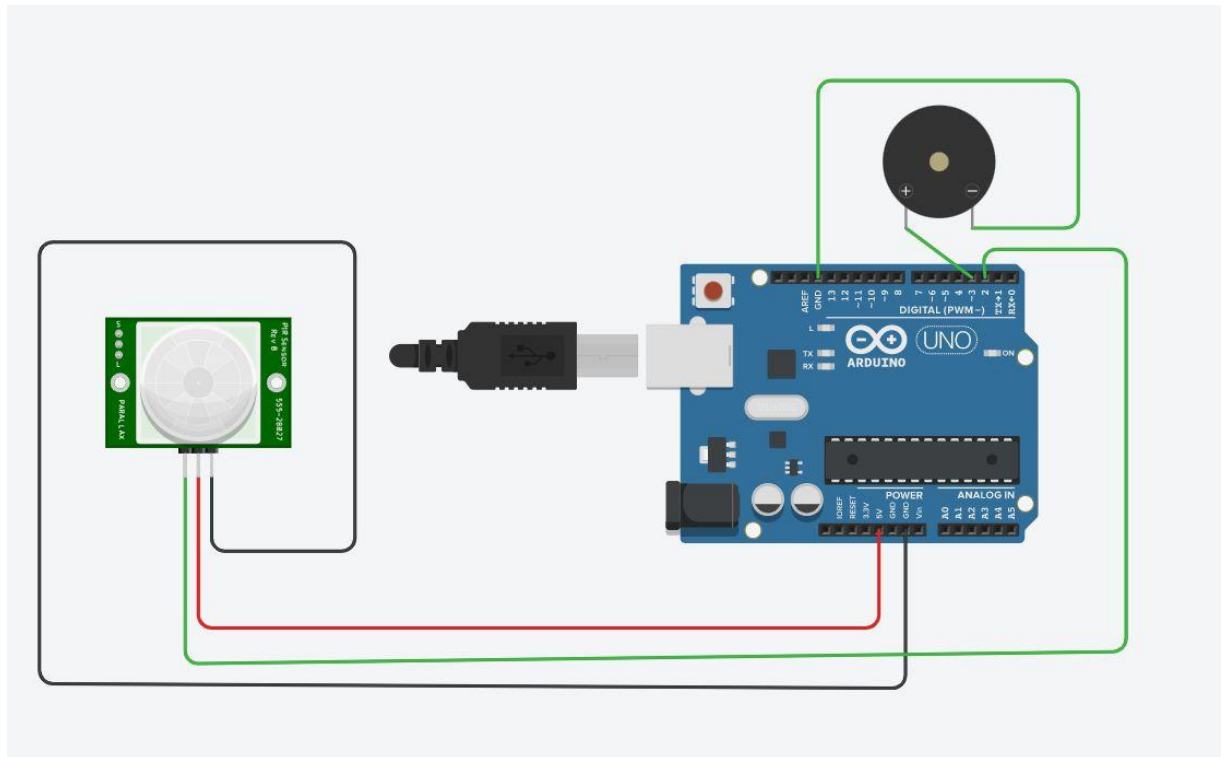
```
    digitalWrite(3,LOW);

  }


  delay(2000);

}
```

Output:


```
Serial Monitor
Celsius: 74.71
Celsius: 74.71
Celsius: 74.71
Celsius: 74.71
Celsius: 74.71
Celsius: 74.71
Celsius: 74.71
```

2) Arduino With PIR Sensor :-

Circuit Connections:

Code:

```
void setup() {

  pinMode(2, INPUT);
```

```
  pinMode(3, OUTPUT);

}


void loop() {

  if (digitalRead(2) == HIGH)

  {

  digitalWrite(3, HIGH);

  delay(100);

  digitalWrite(3, LOW);

  delay(100);
```

```
  }


}
```