MAKE A SMART HOME

Circuit design:
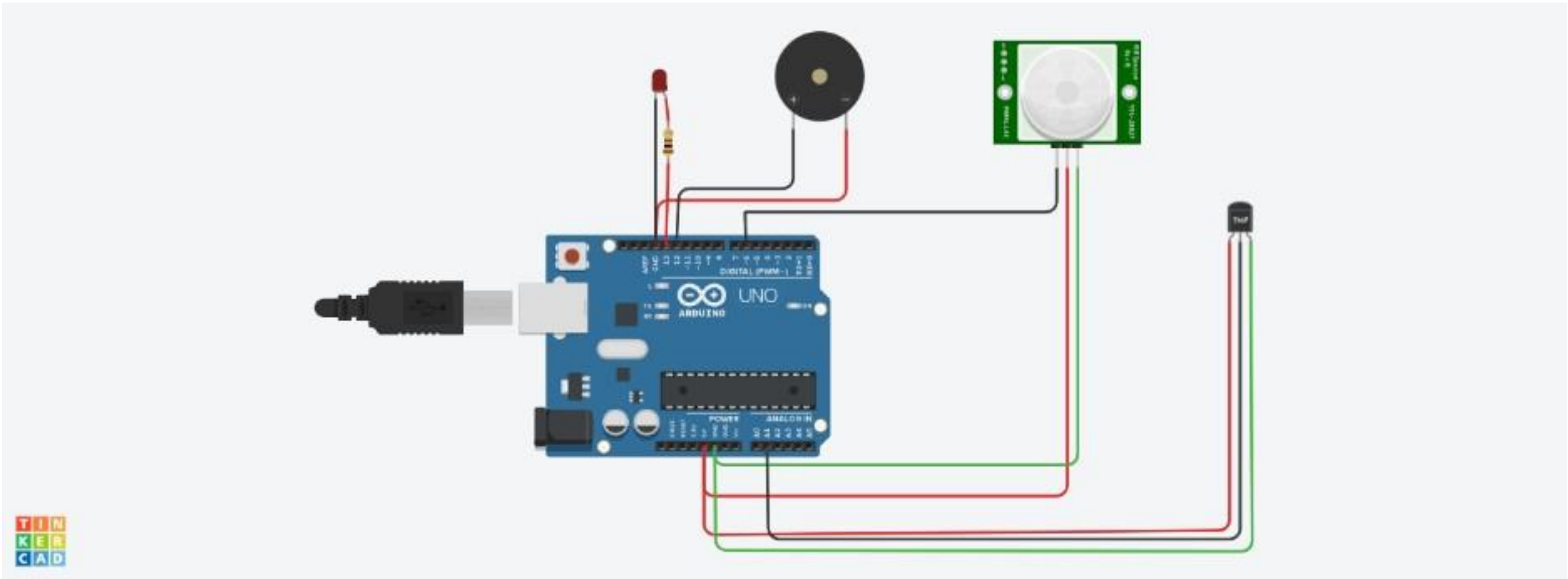
Component Required:

Name	Quantity	Component
U1	1	Arduino Uno R3
D1	1	Red LED
PIR1	1	-52.66 , -315.7896985209941 , -337.33 PIR Sensor
PIEZO1	1	Piezo
U2	1	Temperature Sensor [TMP36]
R1	1	100 Ω Resistor

Code:

```
float temp;

void setup()

{
```

```arduino
  pinMode (6,INPUT);

  pinMode

  (12,OUTPUT);

  Serial.begin(9600);


  }



void loop()

{

  if (digitalRead(6)==HIGH)

  {

   tone(12,523,1000);

    Serial.println("Unknown detected");

    {

    int ledPin=13;

   {

    pinMode(ledPin,OUTPUT);

   }

  digitalWrite(ledPin,HIGH);

     delay(1000);

     digitalWrite(ledPin,LOW)

     ;delay(1000);

    }

   }


   else

   {

    noTone(12);

   }

   temp=analogRead(A1);
```

```
temp=temp*0.48828125;


if(temp>=110.84)

{

tone (12,100,2000);

  Serial.print("Above 60 c Temperature...");

  {

  int ledPin=13;

{

  pinMode(ledPin,OUTPUT);

}

digitalWrite(ledPin,HIGH);

    delay(1000);

    digitalWrite(ledPin,LOW)

    ;delay(1000);

  }

}

else

{

  noTone(12);

}

}/
```