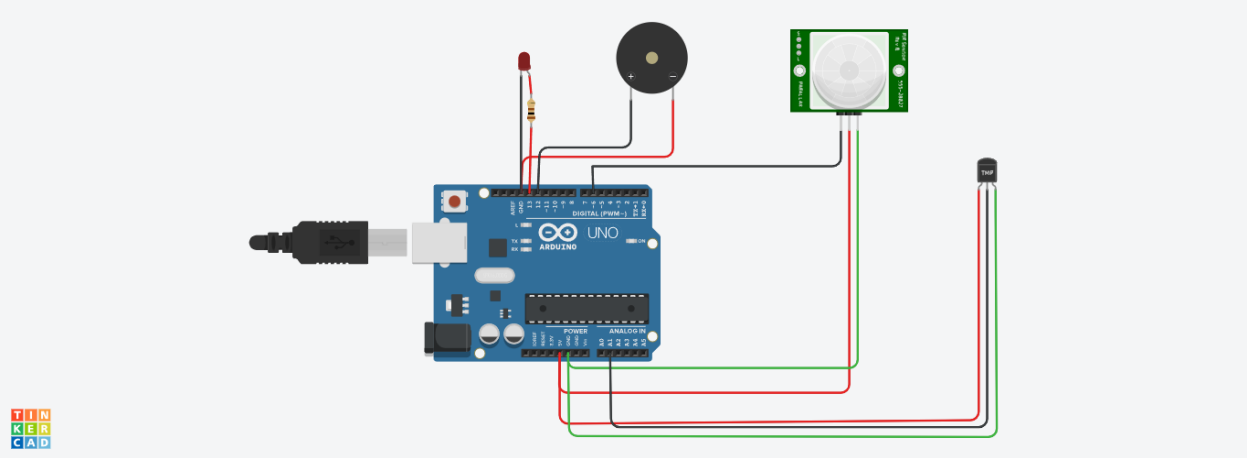
MAKE A SMART HOME

Tinkercad link:

https://www.tinkercad.com/things/00vvlIJaQmU-mighty-curcan/editel?sharecode=eRVtvg20wQPV_Ry3tj-i6dVNqyy2m-7pb0iM_zG6gOo

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()
{
  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);
 }
}/
```