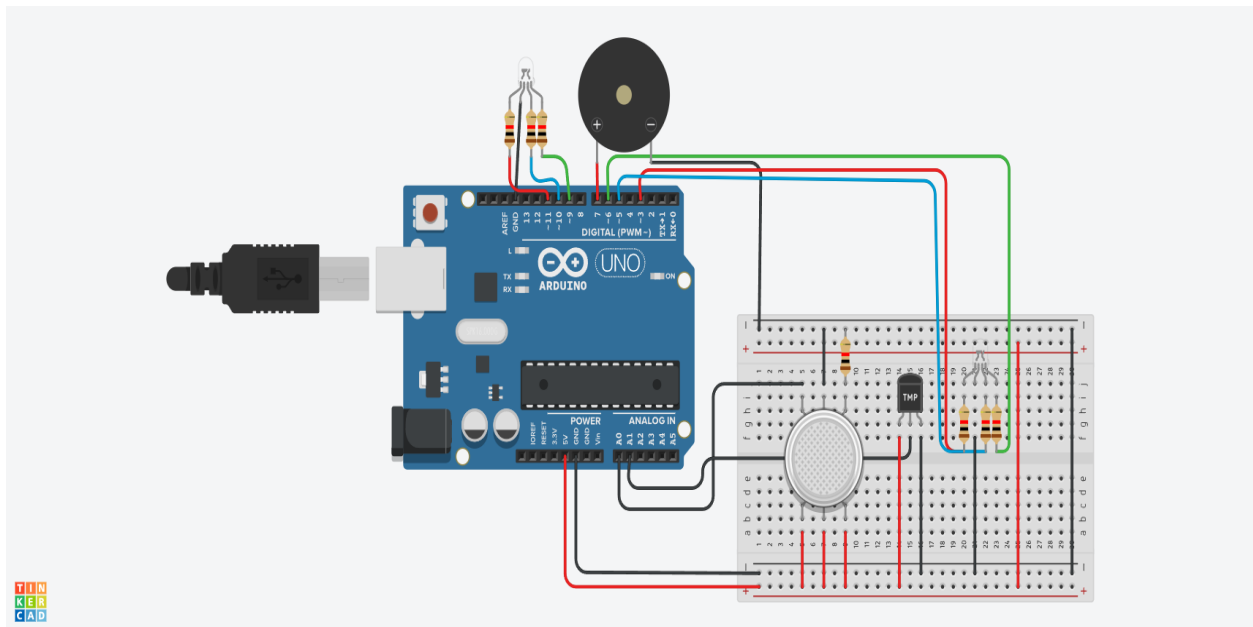


LINK FOR :SMART HOME

<https://www.tinkercad.com/things/9YhQnHxjFul-cool-jaiks-rottis/editel>



```
float temp;  
  
float Vout;  
  
float Vout1;  
  
int LED=13;  
  
int gasSensor;  
  
int piezo=7;  
  
void setup()  
{  
  
  pinMode(A0,INPUT);  
  
  pinMode(A1,INPUT);
```

```
pinMode(LED,OUTPUT);  
pinMode(piezo,OUTPUT);  
pinMode(3,OUTPUT);  
pinMode(6,OUTPUT);  
pinMode(5,OUTPUT);  
pinMode(11,OUTPUT);  
pinMode(9,OUTPUT);  
pinMode(10,OUTPUT);  
Serial.begin(9600);  
}  
void loop()  
{  
Vout=analogRead(A1);  
Vout1=(Vout/1023)*5000;  
temp=(Vout1-500)/10;  
gasSensor=analogRead(A0);  
if(temp>=80)  
{  
analogWrite(11,255);  
analogWrite(9,0);  
analogWrite(10,0);  
}  
else  
{  
analogWrite(11,0);
```

```
    analogWrite(9,0);  
    analogWrite(10,255);  
}  
if (gasSensor>=100)  
{  
    digitalWrite(piezo,HIGH);  
    analogWrite(3,255);  
    analogWrite(6,0);  
    analogWrite(5,0);  
    delay(100);  
    analogWrite(3,255);  
    analogWrite(6,102);  
    analogWrite(5,0);  
    delay(100);  
    analogWrite(3,255);  
    analogWrite(6,155);  
    analogWrite(5,0);  
    delay(100);  
    analogWrite(3,255);  
    analogWrite(6,200);  
    analogWrite(5,0);  
}  
else  
{  
    digitalWrite(piezo,LOW);
```

```
analogWrite(3,0);  
  
  analogWrite(6,153);  
  
  analogWrite(5,0);  
}  
  
Serial.print("in DegreeC= ");  
  
Serial.print(" ");  
  
Serial.print(temp);  
  
Serial.print("\t");  
  
Serial.print("GasSensor= ");  
  
Serial.print(" ");  
  
Serial.print(gasSensor);  
  
Serial.println();  
  
delay(1000);  
  
}
```