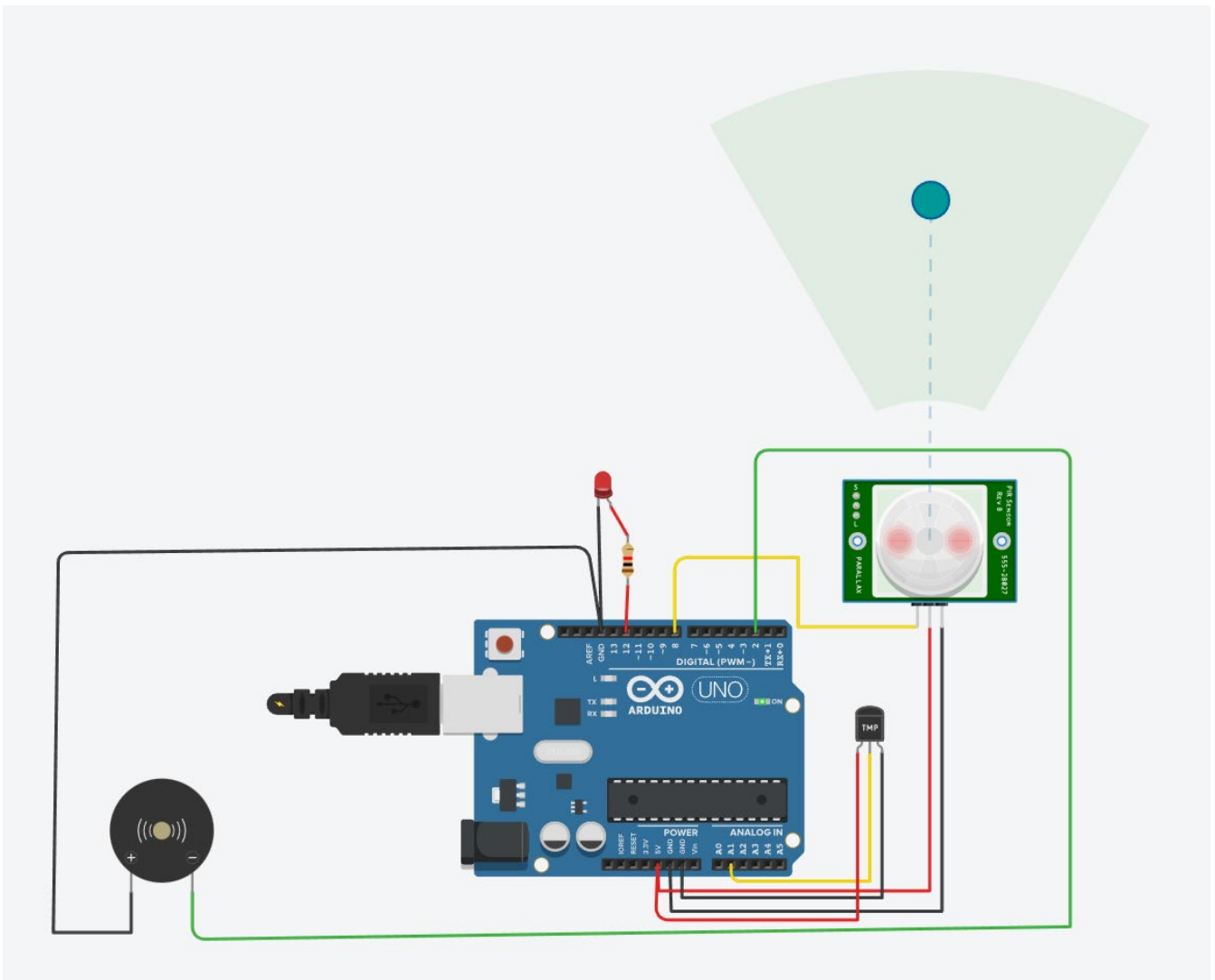


Gas Leakage monitoring and alerting system

Assignment 1:

Make a Smart Home in Tinkercad, using 2+ sensors, Led, Buzzer in single code and circuit.

Circuit Diagram:



CODE:

```
// C++ code
//
void setup()
{
  pinMode(12, OUTPUT);
  pinMode(2, OUTPUT);
}

void loop()
{

```

```
int m=digitalRead(8);  
double a=analogRead(A1);  
double v=a/1024;  
double tvolt=v*5;  
double o=tvolt-0.5;  
double t=o*100;  
if(t>50)  
{  
  
digitalWrite(2, HIGH);  
}  
else  
{  
  
digitalWrite(2, LOW);  
}  
if(m==1)  
{  
digitalWrite(12, HIGH);  
}  
else  
{  
digitalWrite(12, LOW);  
}  
}
```