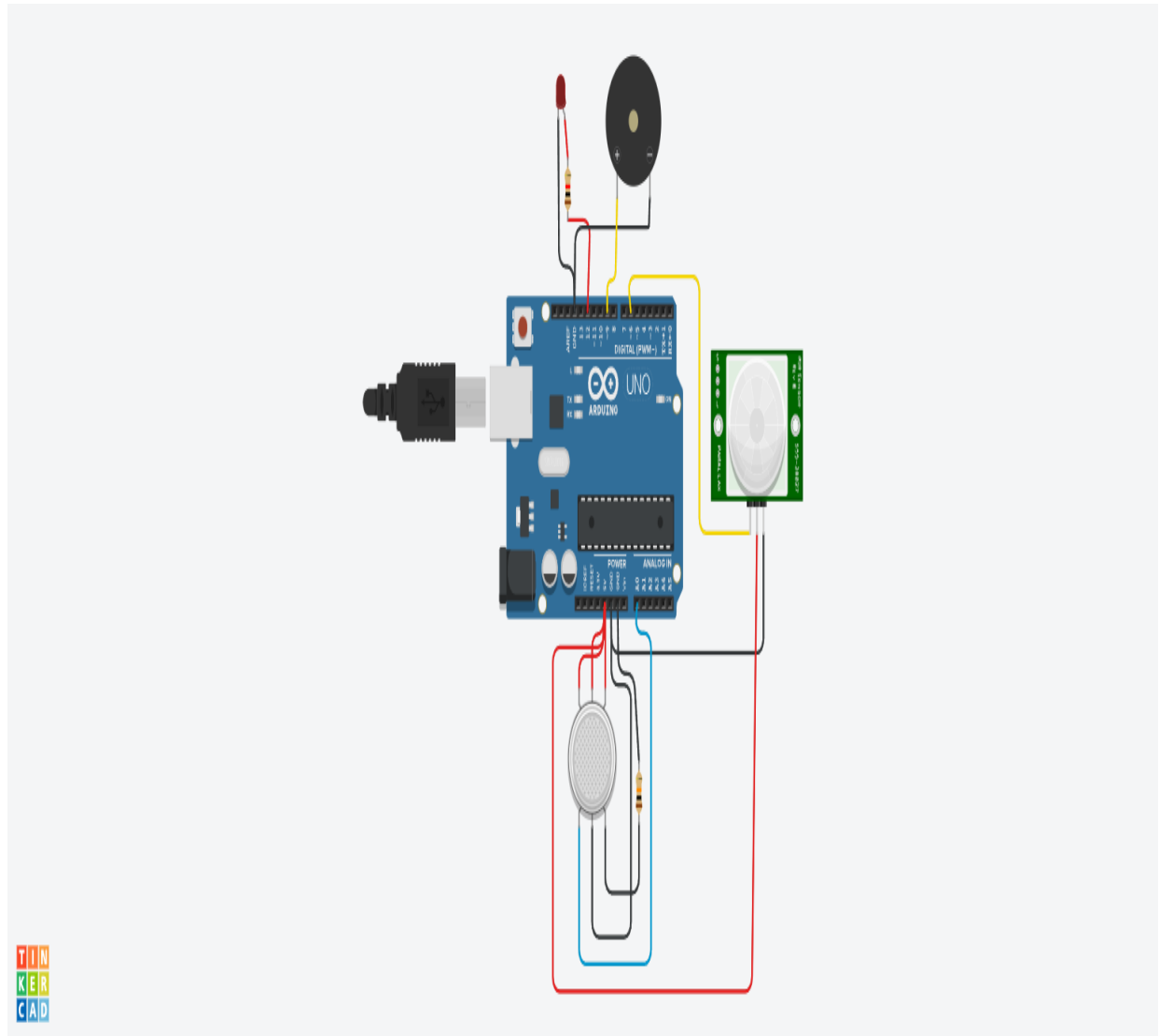**SMART HOME(Using 2 sensors, led, buzzer)**

Circuit:

Code:

```cpp
// C++ code
//
void setup()
{
  pinMode(6,INPUT);
  pinMode(12,OUTPUT);
  pinMode(9,OUTPUT);
  Serial.begin(9600);
}

void loop()
{
  int p=digitalRead(6);
  int gas=analogRead(A0);
  if (gas>500)
  {
    Serial.print("gas detector");
    Serial.println(gas);
    digitalWrite(9,HIGH);
  }
  else
  {
    digitalWrite(9,LOW);
  }
  if(p==1)
  {
    digitalWrite(12,HIGH);
  }
  else
  {
    digitalWrite(12,LOW);
  }
}
```