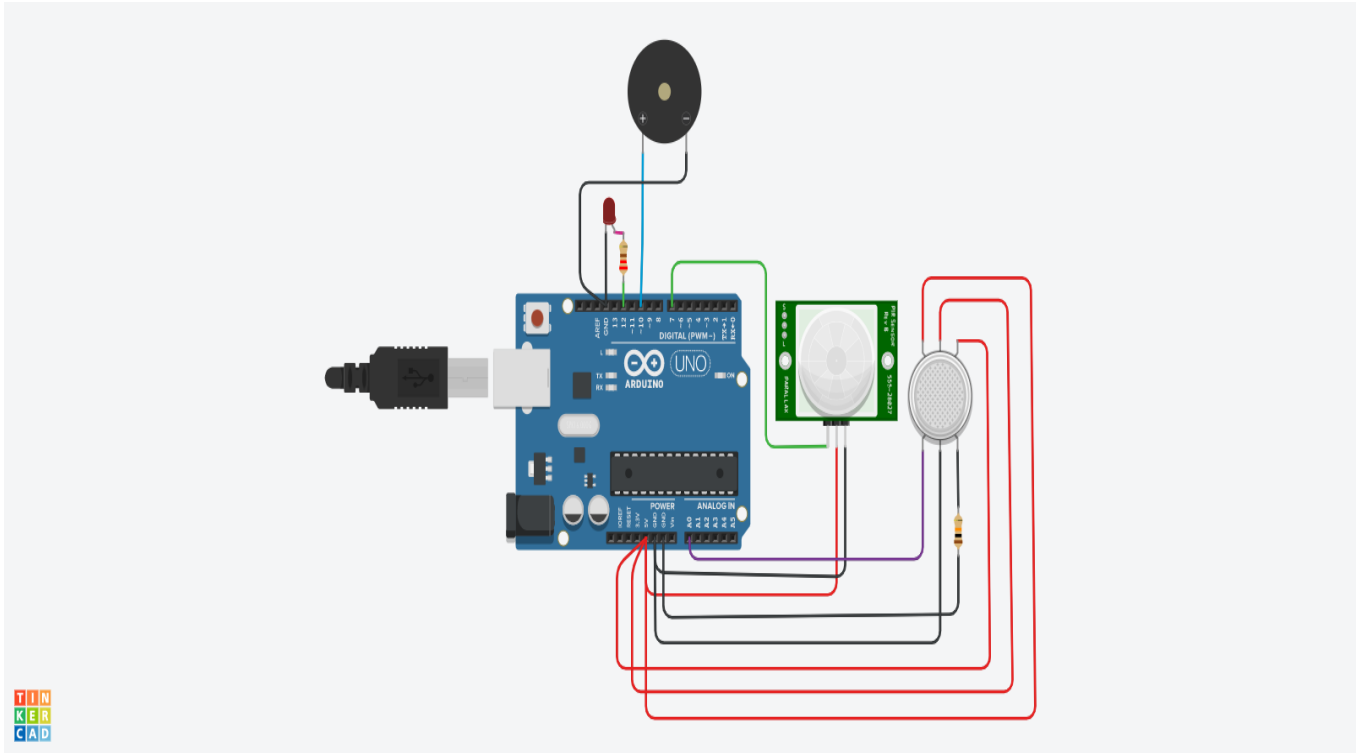# SMART HOME (Using 2 sensors, LED, buzzer)

Circuit:

Code:

```cpp
// C++ code
//
void setup()
{
 pinMode(7,INPUT);
 pinMode(12,OUTPUT);
 pinMode(A0,INPUT);
 pinMode(10,OUTPUT);
 Serial.begin(9600);
}
void loop()
{
 int pir=digitalRead(7);
 int gas=analogRead(A0);
 if(pir==1)
 {
  digitalWrite(12,HIGH);
 }
 else
 {
  digitalWrite(12,LOW);
 }
 if(gas>500)
 {
  digitalWrite(10,HIGH);
 }
 else
 {
  digitalWrite(10,LOW);
 }
}
```