<Gas.h>

Library Creator

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```
#include <Gas.h>
Gas Mq6(A0,5,6,10,80);
// Gas Mq6 (sensor_pin,Control_pin1,Control_pin2,min,max);
//sensor_pin_value < min = Control_pin1_HIGH
//sensor_pin_value > max = Control_pin2_HIGH
//Otherwise = Control_pin1_LOW / Control_pin2_LOW
void setup() {
  Serial.begin(9600);

}

void loop() {
 int c =  Mq6.Sensor();
 Mq6.Switching();
 Serial.println(c);

}

//Code1: .ino
```

```
#ifndef GAS_H
#define GAS_H
#include <Arduino.h>
int addTwoInts(int a, int b);
int subTwoInts(int a, int b);
class Gas {
  private:
    byte pin1;
    byte pin2;
    byte pin3;
    int min1;
    int max1;
  public:
    Gas(byte pin1,byte pin2,byte pin3,int min1,int max1);
    void init();
    void Switching();
    int Sensor();
};
#endif
```

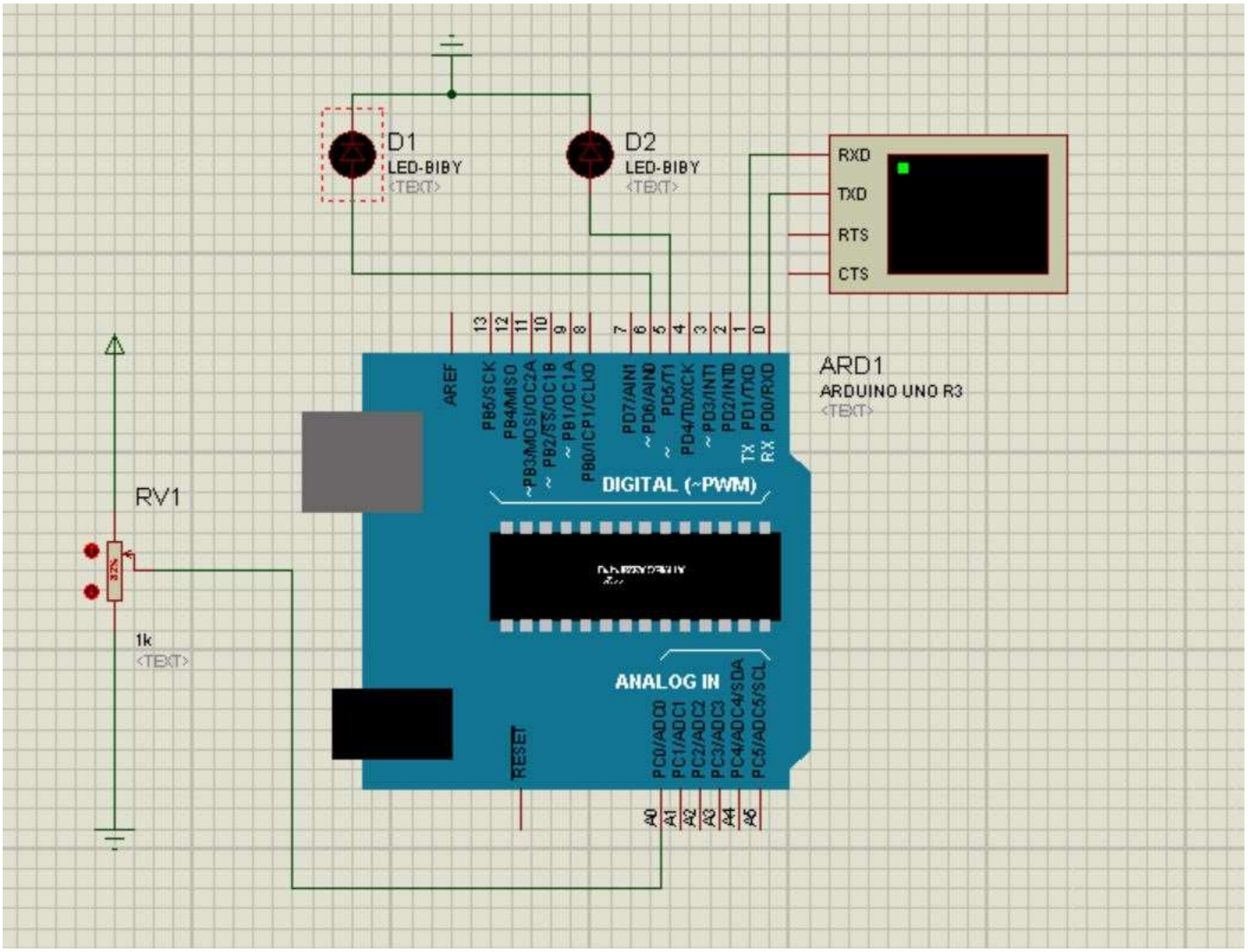
//Code2: .h

```
#include "Arduino.h"
#include "Gas.h"
int addTwoInts(int a, int b) {
  return a + b;
}
int subTwoInts(int a, int b) {
  return a - b;
}
//////////////////////////////////////////////////////////////
Gas::Gas(byte pin1, byte pin2, byte pin3,int min1, int max1) {
  this->pin1 = pin1;
  this->pin2 = pin2;
  this->pin3 = pin3;
  this->min1 = min1;
  this->max1 = max1;
  init();
}
void Gas::init() {
  pinMode(pin1, INPUT);
  pinMode(pin2, OUTPUT);
  pinMode(pin3, OUTPUT);
```

```
}
int Gas::Sensor() {
  int x = analogRead(pin1);
  x = map(x, 0, 1024, 0, 100);
  return x;
}
void Gas::Switching() {
  int cv = Sensor();
  if (cv > max1) {
    digitalWrite(pin2, LOW);
    digitalWrite(pin3, HIGH);
  }
  else if (cv < min1) {
    digitalWrite(pin2, HIGH);
    digitalWrite(pin3, LOW);
  }
  else {
  {digitalWrite(pin2, LOW);
    digitalWrite(pin3, LOW);}
  }
}
```

//Code3: .cpp

//


D1
LED-BIBY
<TEXT>
D2
LED-BIBY
<TEXT>
RXD
TXD
RTS
CTS
ARD1
ARDUINO UNO R3
<TEXT>
RV1
1k
<TEXT>
DIGITAL (~PWM)
ANALOG IN
RESET
AREF