**Name – Parag Gattani**

Program No. – 10

Program Title – Gas Sensor

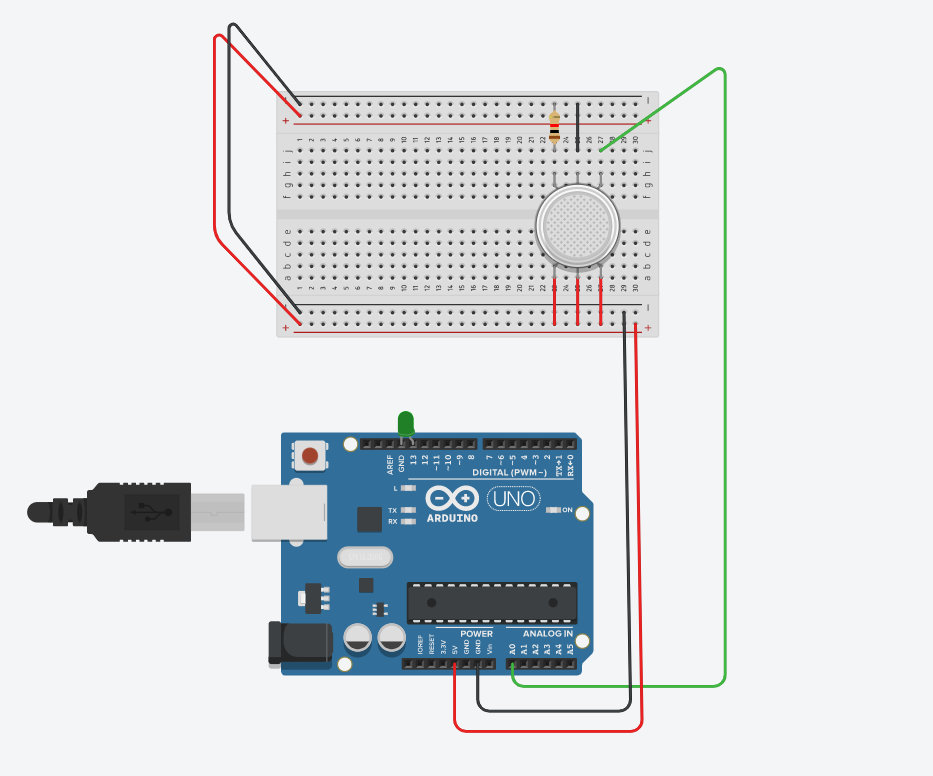
**AIM**

To design a smart gas leakage indicator system.

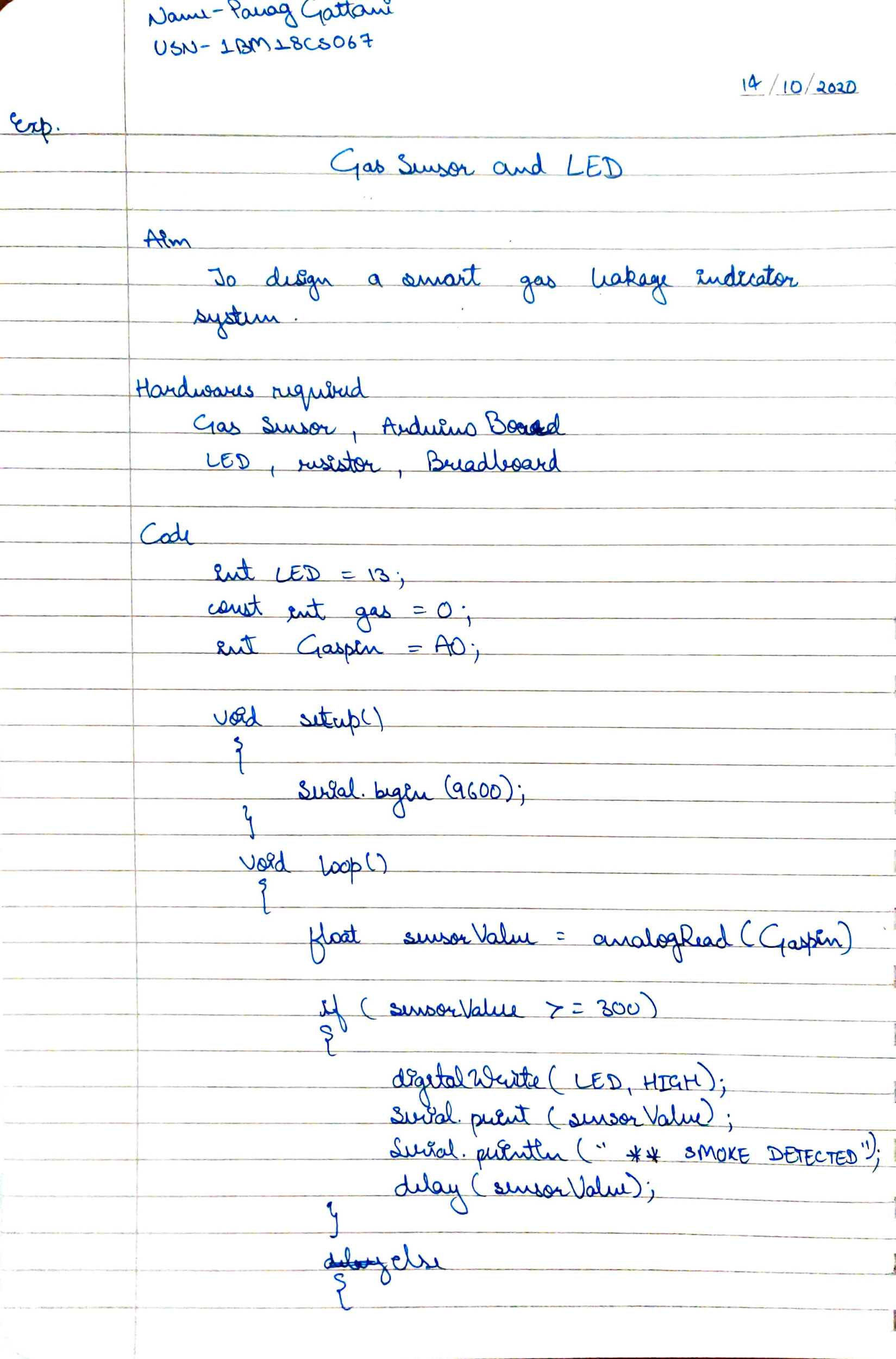
**HARDWARES REQUIRED**

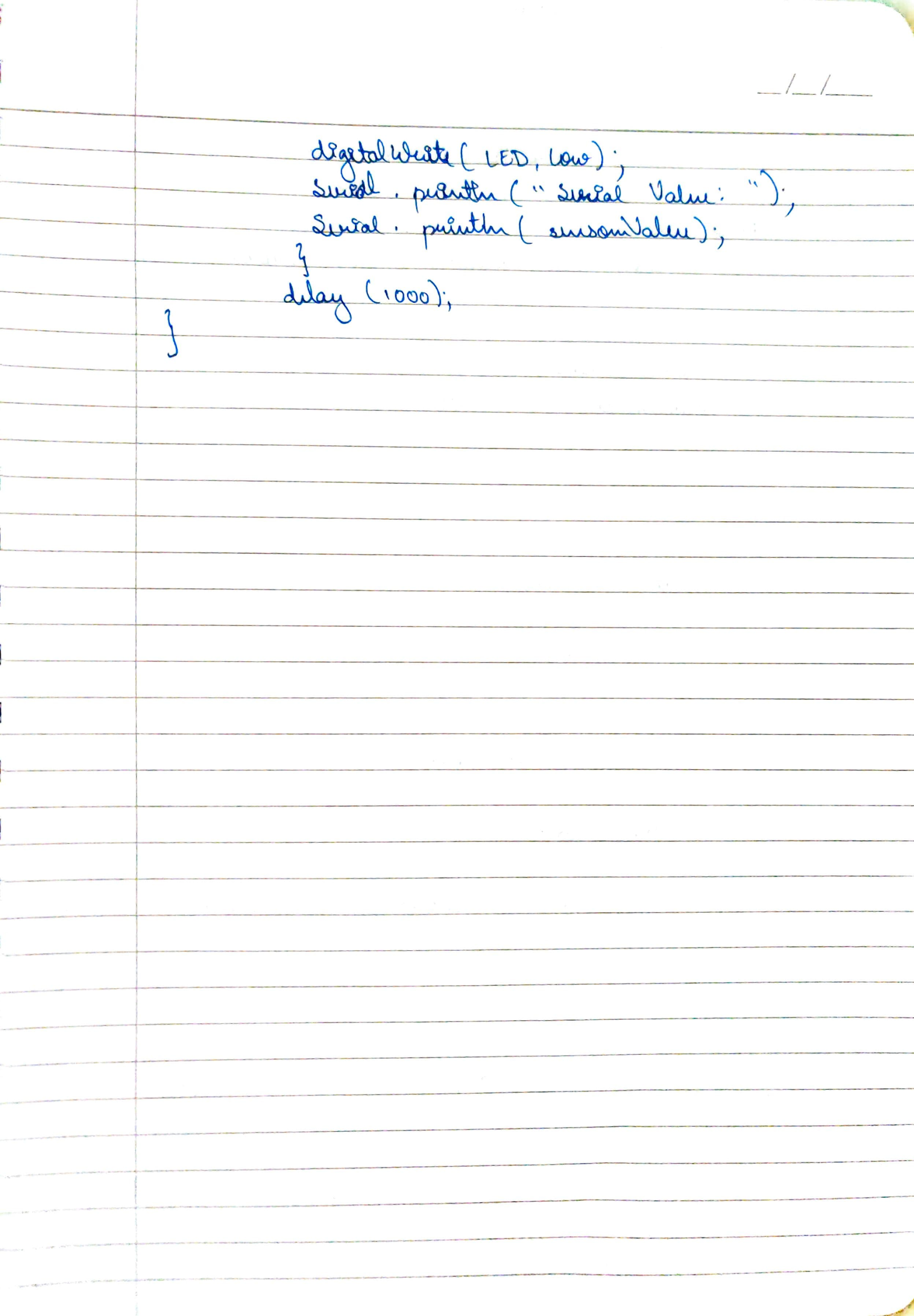
* Arduino Board
* Gas sensor
* Resistor
* LED
* Breadboard Small

**CIRCUIT DIAGRAM**

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**WRITE-UP**

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**CODE**

int LED = 13;

const int gas = 0;

int Gaspin = A0;

void setup()

{

Serial.begin(9600);

}

void loop()

{

float sensorValue = analogRead(Gaspin);

if(sensorValue >= 300)

{

digitalWrite(LED, HIGH);

Serial.print(sensorValue);

Serial.println(" \*\*\* SMOKE DETECTED \*\*\*");

delay(sensorValue);

}

else

{

digitalWrite(LED, LOW);

Serial.println("Serial Value : ");

Serial.println(sensorValue);

}

delay(1000);

}

**OUTPUT**

Designed a smart gas leakage indicator system.