

```
float temp;

float vout;

float vout1;

int LED=13;

int gasSensor;

int piezo=7;


void setup()
{
    pinMode(A0,INPUT);
    pinMode(A1,INPUT);
    pinMode(LED,OUTPUT);
    pinMode(piezo,OUTPUT);
    Serial.begin(9600);
}

void loop()
{
    vout=analogRead(A1);
    vout1=(vout/1023)*5000;
    temp=(vout1-500)/10;
    gasSensor=analogRead(A0);
    if(temp>=80)
    {
        digitalWrite(LED,HIGH);
        digitalWrite(piezo,HIGH);
    }
    else
    {
        digitalWrite(LED,LOW);
        digitalWrite(piezo,LOW);
    }
}
```

The screenshot shows the Tinkercad web application interface. At the top, there's a browser address bar with the URL "tinkercad.com/things/9n9res5zIG5-copy-of-fire-alarm/edit?tenant=circuits". Below the address bar, the page title is "ibm assignment". The main workspace displays a circuit diagram featuring an Arduino Uno R3 connected to a breadboard. A pushbutton is connected to the breadboard, which also contains several resistors and jumper wires. The right sidebar shows the "Components Basic" panel with a search bar and various electronic components like Resistor, LED, Pushbutton, Potentiometer, Capacitor, Slideswitch, 9V Battery, Coin Cell 3V Battery, 1.5V Battery, BreadBoard Small, micro:bit, and Arduino Uno R3. The bottom status bar indicates the user is logged in as "ENG IN" and the date is "17-09-2022".