esp32-blink.ino   diagram.json   Library Manager   ▼

Simulation

⏱ 00:19.066   ⚙ 43%

```
1   #include <time.h>
2
3   bool exhaust_fan_on = false;
4   bool sprinkler_on = false;
5
6   float temperature = 0;
7   int gas = 0;
8   int flame = 0;
9
10  String flame_status = "";
11  String accident_status = "";
12  String sprinkler_status = "";
13
14  void setup() {
15      Serial.begin(9600);
16  }
17
18  void loop() {
19
20      //setting a random seed
21
22      srand(time(0));
23
24      //initial Variable
25
26      temperature = random(-20,125);
27      gas = random(0,1000);
28      int flamereading = random(200,1024);
        flame = map(flamereading,0,1024,0,2);
```

https://wokwi.com

```
Flame Status : Fire is Detected
Gas Status : Gas leakage Detected
Sprinkler Status : working
Exhaust fan Status : Working


.......................................*************************.............................


Flame Status : No Fire
Gas Status : Gas leakage Detected
Sprinkler Status : not working
Exhaust fan Status : Working


..............................................******************..............................
```