Flame Sensor

Aim

Design an alert system using flame sensor (temp. sensor).

Hardware Required.

Arduino Board
Breadboard Small
Piezo
Temp. Sensor.

Code

```
const int temperaturePin = 0;
int buzzer = 12;

void setup()
{
    pinMode(buzzer, OUTPUT);
}
void loop()
{
    float voltage, degreesC;

    voltage = getVoltage(temperaturePin);
    degreesC = (voltage - 0.5) * 100.0;

    if (degreesC > 37)
    {
        digitalWrite(buzzer, LOW);
        tone(12, 10000, 100);
    }
}
```

```
float   getVoltage ( int  pin)
{
    return ( analogRead (pin)  *  0.004882814);
}
```

RST Vcc GND D15

REF D14

D13

D12

D11

D10

D9

D8

D7

D6

A5 D5

A4 D4

A3 D3

A2 D2

A1 D1

Temp A0 D0

GND