

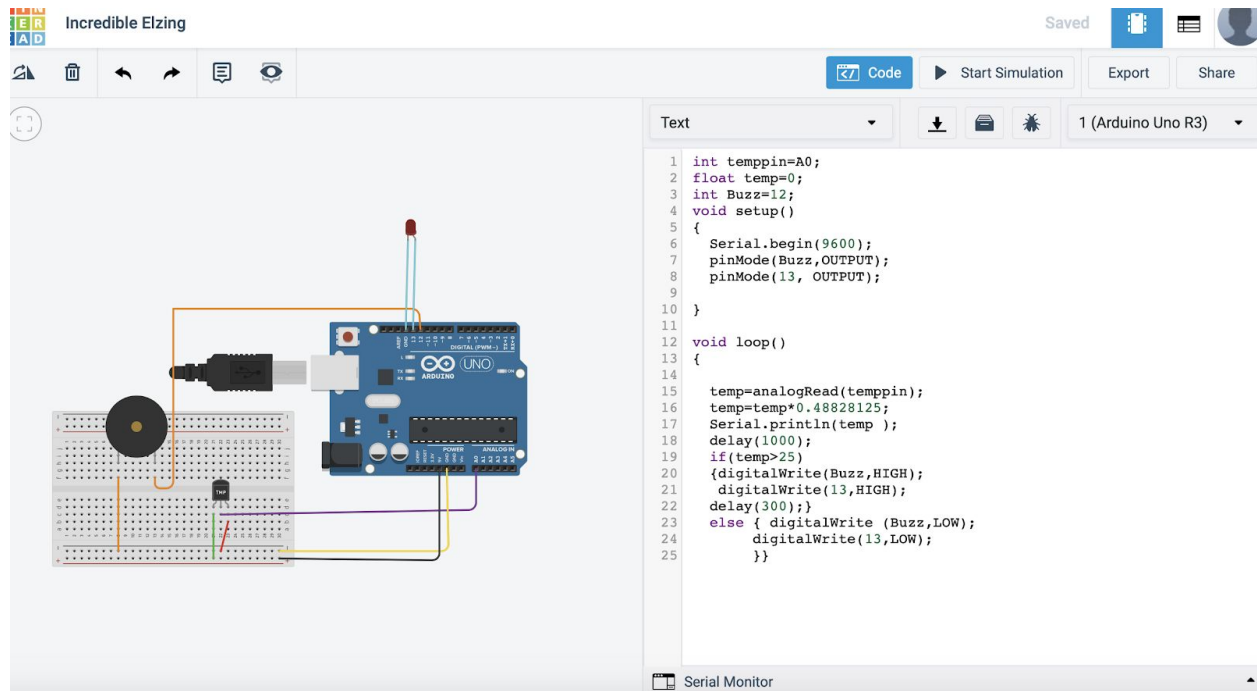
# IOT LAB

## Program Title –FIRE ALARM

**AIM – Demonstrate the working of temperature Sensor and buzzer**  
**Hardware Required -**

- Arduino Board
  - Breadboard
  - Wires
  - Temperature Sensor
  - LED
  - Buzzer

## Circuit Diagram -



Code-

706  
Suman Kuma Pat

Temp.

```
int tempIn = A0;
float temp = 0;
int Buzzer = 12;
void setup()
{
    Serial.begin(9600);
    pinMode(Buzzer, OUTPUT);
    pinMode(13, OUTPUT);
}
void loop()
{
    temp = analogRead(tempIn);
    temp = temp * 0.4828125;
    Serial.println(temp);
    delay(1000);
    if(temp > 25)
    {
        digitalWrite(Buzzer, HIGH);
        digitalWrite(13, HIGH);
        delay(500);
    }
    else
    {
        digitalWrite(Buzzer, LOW);
        digitalWrite(13, LOW);
    }
}
```

**Observation /Output -**

**The working Fire alarm is observed.**