IOT Lab - 5th Sem

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Program No : 09

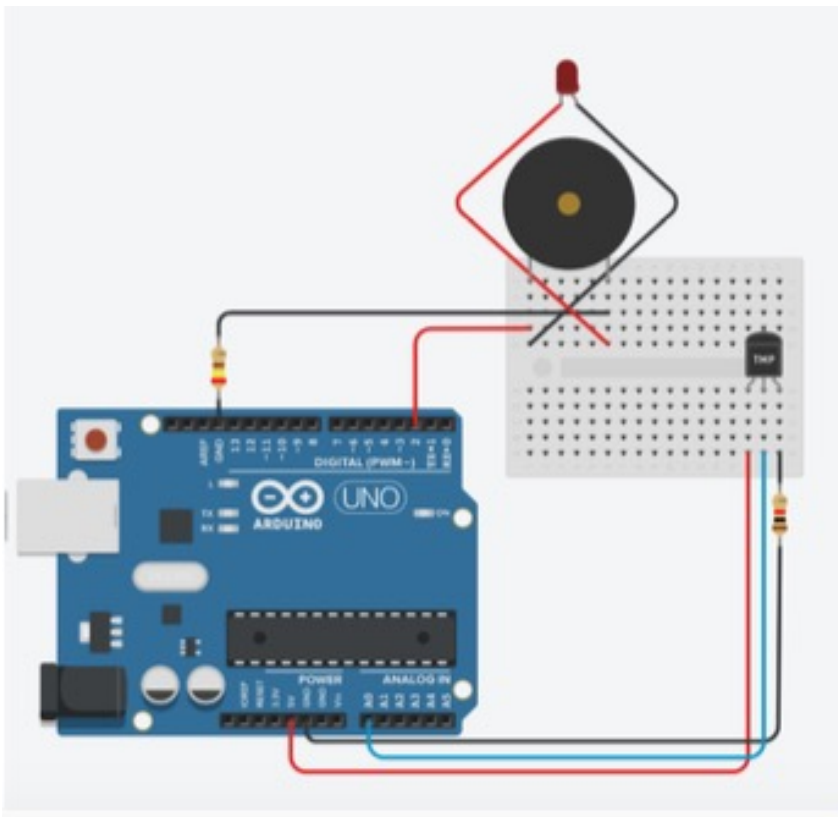## Program Title : Fire Detection

Aim :

To turn on the LED and Buzzer upon detecting a fire.

Hardware Required :

- Arduino Uno Board
- Led Bulb
- Resistors - 240 ohm x2
- Temperature Sensor
- Jump wires

Circuit Diagram :

Written Code :

```
void setup() {
    Serial.begin (9600);
    pinMode (2, OUTPUT);
}

void loop() {
    int temp_akg = analogRead(40);
    float c = map(temp_a, 31, 368, -40, 125)

    if (c > 70) {
        Serial.println("Buzzing");
        digitalWrite (2, HIGH);
        delay (2000);
        digitalWrite (2, low);
    }
    else {
        Serial.println("Idle")
    }
}
```

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Observation / Output :

LED and buzzer is turned on when a fire is detected.