

IOT LAB

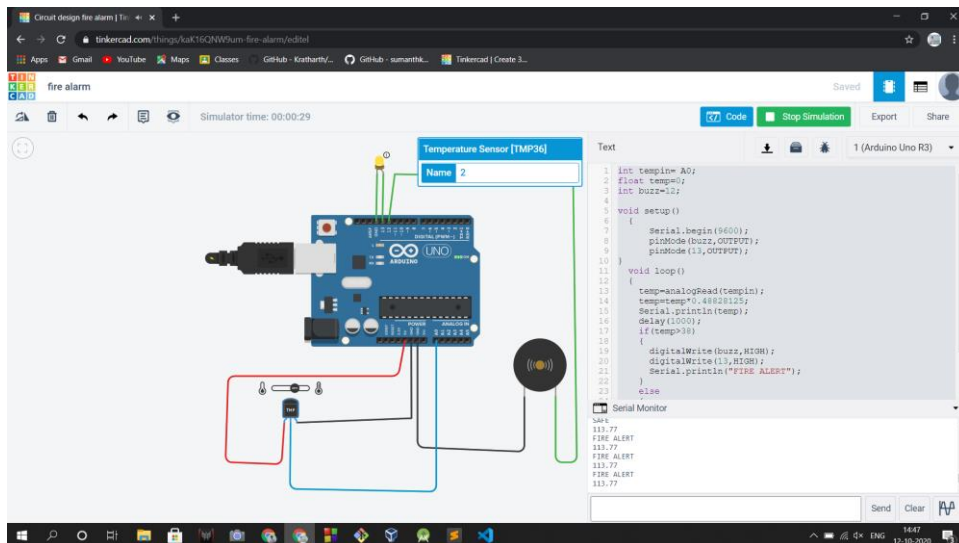
Program no - 9

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-

Date: / /

LAB-9

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FIRE ALARM :

Code:

```
int tempin = A0;
float temp = 0;
int buzz = 12;
void setup()
{
  Serial.begin(9600);
  pinMode(buzz, output);
  pinMode(13, output);
}
void loop()
{
  temp = analogRead(tempin);
  temp = temp * 0.488221;
  Serial.println(temp);
  delay(1000);
  if (temp > 38)
  {
    digitalWrite(buzz, HIGH);
    digitalWrite(13, HIGH);
    Serial.println("FIRE ALERT");
  }
  else
  {
    digitalWrite(buzz, LOW);
    Serial.println("SAFE");
  }
}
```

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Observation /Output -

The working Fire alarm is observed.