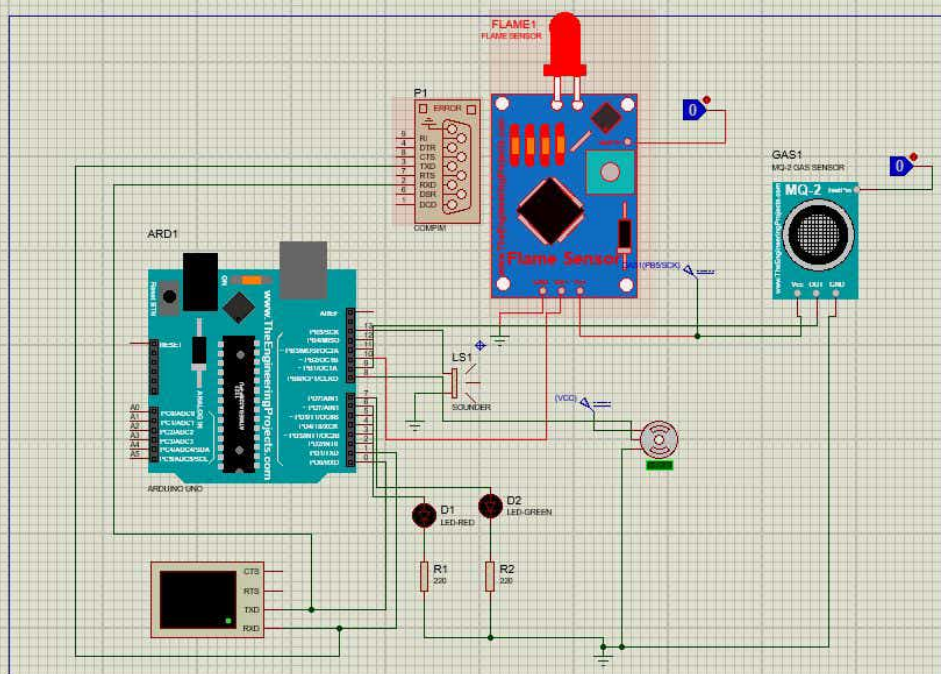


DEVICES

- ARDUINO UNO
- COMPIM
- FLAME SENSOR
- LED-GREEN
- LED-RED
- LOGICSTATE
- LOGICTOGGLE
- MOTOR-PWMSERVO
- MQ-2 GAS SENSOR
- RESISTOR
- SOUNDER



18 Messag...

ROOT - Root sheet 1

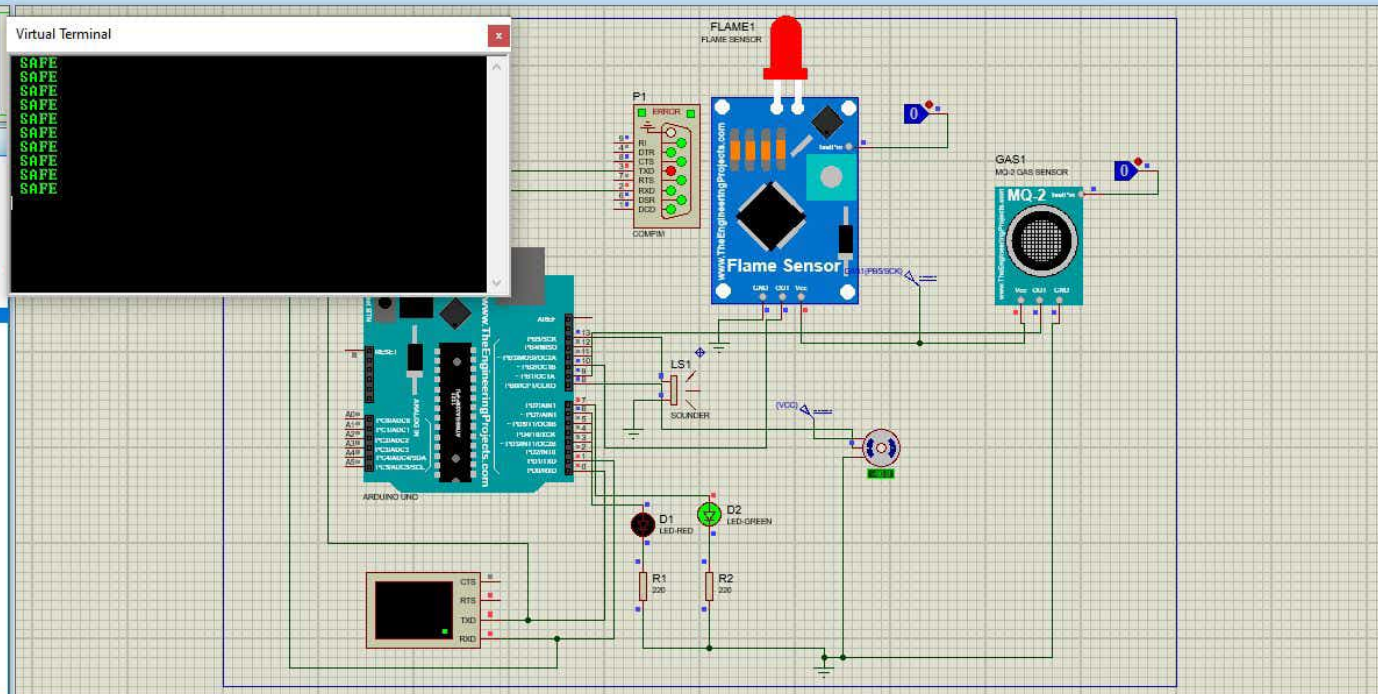
x: -2000.0 y: +2400.0

Virtual Terminal

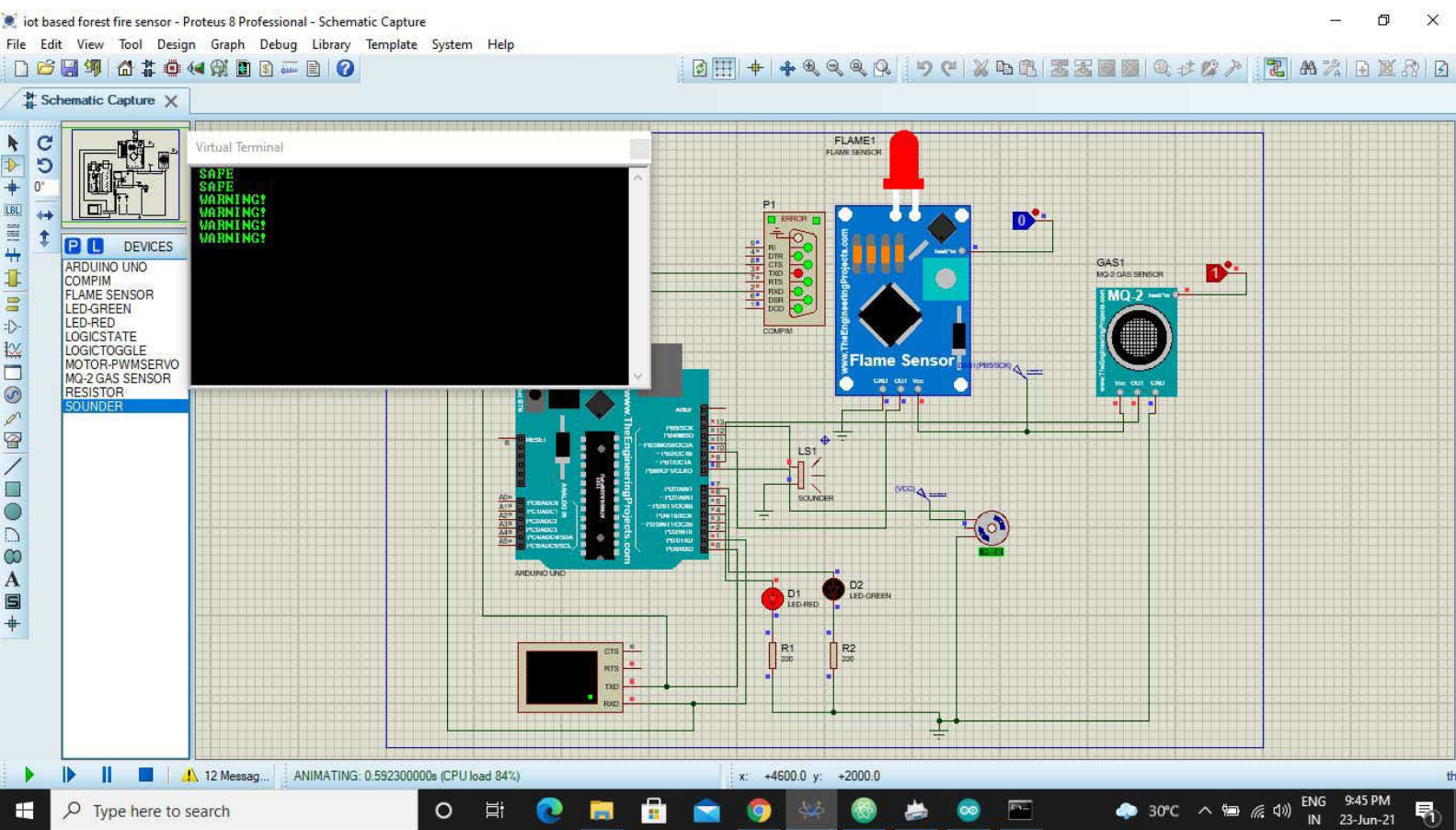
```
SAFE
SAFE
SAFE
SAFE
SAFE
SAFE
SAFE
SAFE
SAFE
SAFE
```

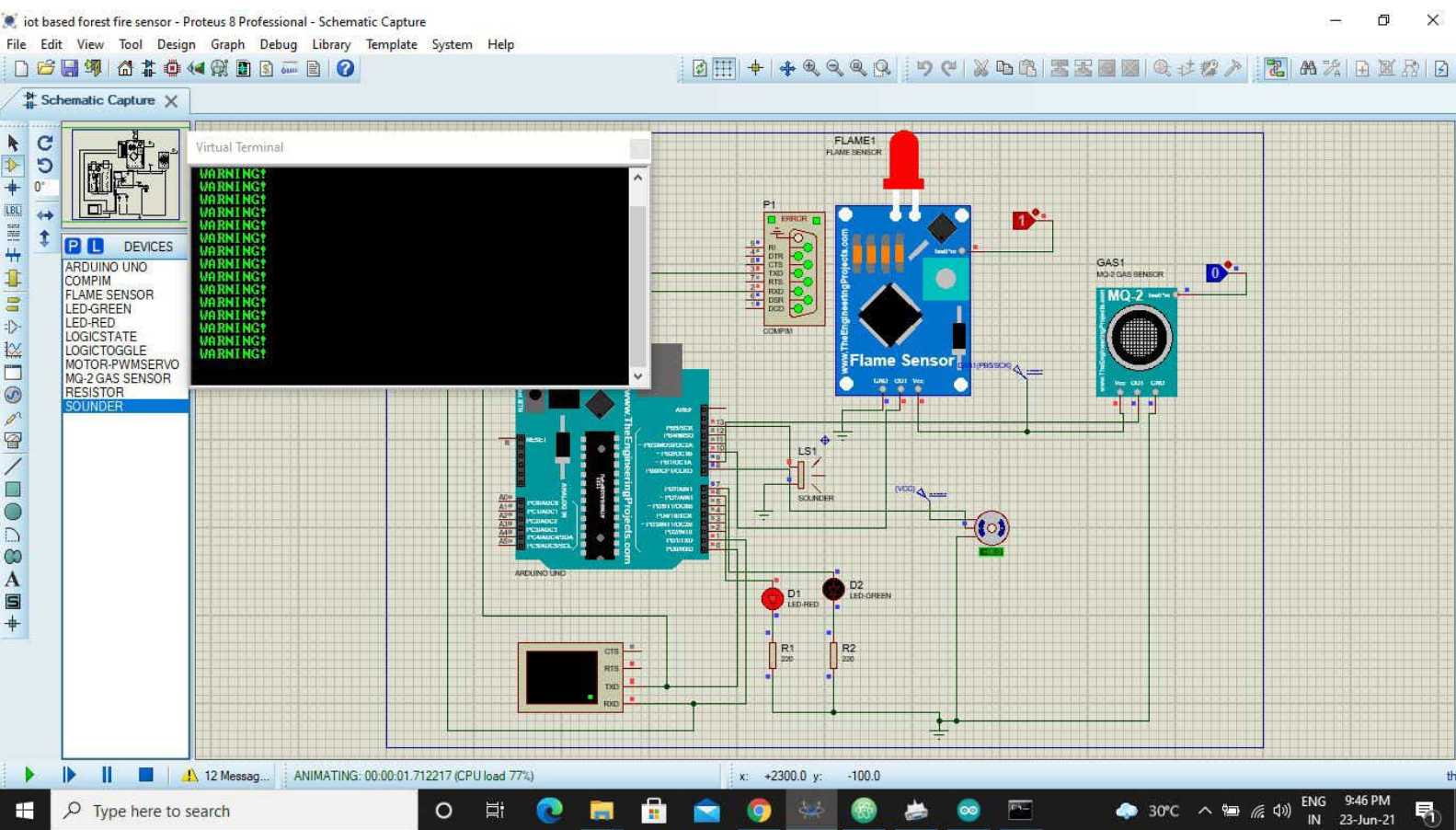
DEVICES

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(1) WhatsApp x Python - Goo x Simulate Ardi x dfghjk - 2018 x IoT based for x IoT based for x My Drive - G x lot based fore x

console.firebase.google.com/project/iot-based-forest-fire-monitor/database/iot-based-forest-fire-monitor-default-rtdb/data

lot based forest fire monitor

Protect your Realtime Database resources from abuse, such as billing fraud or phishing [Configure App Check](#)

<https://iot-based-forest-fire-monitor-default-rtdb.asia-southeast1.firebaseio.com/>

iot-based-forest-fire-monitor-default-rtdb

- Flamesensor\_data
- Gassensor\_data

Database location: Singapore (asia-southeast1)

Type here to search

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(1) WhatsApp x Python - Goo x Simulate Ardi x dfghjk - 2018 x IoT based for x IoT based for x My Drive - G x lot based fore x

console.firebase.google.com/project/iot-based-forest-fire-monitor/database/iot-based-forest-fire-monitor-default-rtdb/data

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<https://iot-based-forest-fire-monitor-default-rtdb.asia-southeast1.firebaseio.com/>

iot-based-forest-fire-monitor-default-rtdb

- Flamesensor\_data
  - 0
  - 1
  - 2
  - 3
- Gassensor\_data
  - 0
  - 1
  - 2
  - 3

Database location: Singapore (asia-southeast1)

Type here to search

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(1) WhatsApp x Python - Goo x Simulate Ardi x dfghjk - 2018 x IoT based for x IoT based for x My Drive - G x lot based fore x

console.firebase.google.com/project/iot-based-forest-fire-monitor/database/iot-based-forest-fire-monitor-default-rtdb/data

lot based forest fire monitor

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<https://iot-based-forest-fire-monitor-default-rtdb.asia-southeast1.firebaseio.com/>

**Flamesensor\_data**

- 0
  - date: "2021-06-23"
  - reading: "b' SAFE \\r\\n' "
  - time: "21:39"
- 1
  - date: "2021-06-23" x
  - reading: "b' SAFE \\r\\n' "
  - time: "21:39"
- 2
  - date: "2021-06-23"
  - reading: "b' SAFE \\r\\n' "
  - time: "21:39"

Database location: Singapore (asia-southeast1)

Type here to search

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(1) WhatsApp x Python - Goo x Simulate Ardi x dfghjk - 2018 x IoT based for x IoT based for x My Drive - G x lot based fore x

console.firebase.google.com/project/iot-based-forest-fire-monitor/database/iot-based-forest-fire-monitor-default-rtdb/data

lot based forest fire monitor

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<https://iot-based-forest-fire-monitor-default-rtdb.asia-southeast1.firebaseio.com/>

**Gasensor\_data**

- 0
  - date: "2021-06-23"
  - reading: "b' SAFE \\r\\n'"
  - time: "21:39"
- 1
  - date: "2021-06-23"
  - reading: "b' WARNING! \\r\\n'"
  - time: "21:39"
- 2
  - date: "2021-06-23"
  - reading: "b' WARNING! \\r\\n'"
  - time: "21:39"
- 3

Database location: Singapore (asia-southeast1)

Type here to search

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forestfire

```
#include <Servo.h>
Servo myservo;
int flame = 10;
int smoke = 9;
int red = 6;
int green = 7;
int buzzer = 13;
void setup ()
{
  pinMode (flame, INPUT);
  pinMode (smoke, INPUT);
  pinMode (red, OUTPUT);
  pinMode (green, OUTPUT);
  pinMode (buzzer, OUTPUT);
  Serial.begin(9600);
  myservo.attach(8);
  myservo.write(0);
}

void loop ()
{
  int fval = digitalRead (flame);
  int sval = digitalRead(smoke);

  if ( sval == HIGH or fval == HIGH)
  {
    Serial.println(" WARNING! ");
    digitalWrite(red, HIGH);
  }
}
```

```
forestfire
Serial.begin(9600);
myservo.attach(8);
myservo.write(0);
}

void loop ()
{
  int fval = digitalRead (flame) ;
  int sval = digitalRead(smoke);

  if ( sval == HIGH or fval == HIGH)
  {
    Serial.println(" WARNING! ");
    digitalWrite(red, HIGH);
    digitalWrite(buzzer, HIGH);
    digitalWrite(green, LOW);
    myservo.write(180);
  }
  else
  {
    Serial.println(" SAFE ");
    digitalWrite(red, LOW);
    digitalWrite(green, HIGH);
    digitalWrite(buzzer, LOW);
    myservo.write(0);
  }
  delay(100);
}
```