Project Development Phase
Sprint-1

Date	7 November 2022
Team ID	PNT2022TMID24229
Project Name	Industry Specific-Intelligent Fire Management System
Maximum Marks	2

```
int Gas=A0; int Flame=4;  int
buzz=2; int redLight=3; int
greenLight=4; float sensorvalue;
int flamevalue; void setup() {
pinMode(Gas, INPUT);
pinMode(Flame, INPUT);
pinMode(buzz,OUTPUT);
pinMode(redLight,OUTPUT);
pinMode(greenLight,OUTPUT);
 Serial.begin(115200);
   }

void loop() {     sensorvalue =
analogRead(Gas);     flamevalue=
digitalRead(Flame);
Serial.print("Gas value:");
  Serial.println(sensorvalue);
  Serial.print("flame state:");
  Serial.println(!(flamevalue));

  if(flamevalue==0){
     tone(buzz,1000,200);
digitalWrite(redLight,HIGH);
digitalWrite(greenLight,LOW);
```

```
  }
  else{
     noTone(buzz);
digitalWrite(redLight,LOW);
digitalWrite(greenLight,HIGH);
  }

  if(sensorvalue>500){
tone(buzz,1000,200);
digitalWrite(redLight,HIGH);
digitalWrite(greenLight,LOW);
  }
  else{        noTone(buzz);
digitalWrite(redLight,LOW);
digitalWrite(greenLight,HIGH);
}
}
```