

```

int led = 11, pir =12,buz=13,gas_sen=A0,temp_sen=A1,fan=10;
void setup()
{
  Serial.begin(9600);
  pinMode(led, OUTPUT);
  pinMode(pir, INPUT);
  pinMode(gas_sen,INPUT);
  pinMode(buz,OUTPUT);
  pinMode(temp_sen,INPUT);
  pinMode(fan,OUTPUT);
}
void loop()
{
  int val = digitalRead(pir);
  Serial.print("motion_sen value :");
  Serial.println(val);
  if (val == HIGH)
  {
    digitalWrite(led, HIGH);
    //delay(500);
  }
  else
  {
    digitalWrite(led, LOW);
    delay(500);
  }
  float gas_value=analogRead(gas_sen);
  Serial.print("gas_value:");
  Serial.println(gas_value);
  if(gas_value>85)
  {
    digitalWrite(buz,HIGH);
    digitalWrite(fan,HIGH);
    //delay(500);
  }
  else
  {

```

```
digitalWrite(buz,LOW);
digitalWrite(fan,LOW);
delay(500);
}
float temp_value =analogRead(temp_sen);
float temperature=((temp_value/1024)*5)*100;
Serial.print("temperature:");
Serial.println(temperature);
if(temperature>50)
{
    digitalWrite(fan,HIGH);
    //delay(500);
}
else
{
    digitalWrite(fan,LOW);
    delay(500);
}

}
```