

Shaan Subbaiah B C - 1BM18CS096

Program no – 11

Program Title – Gas Sensor

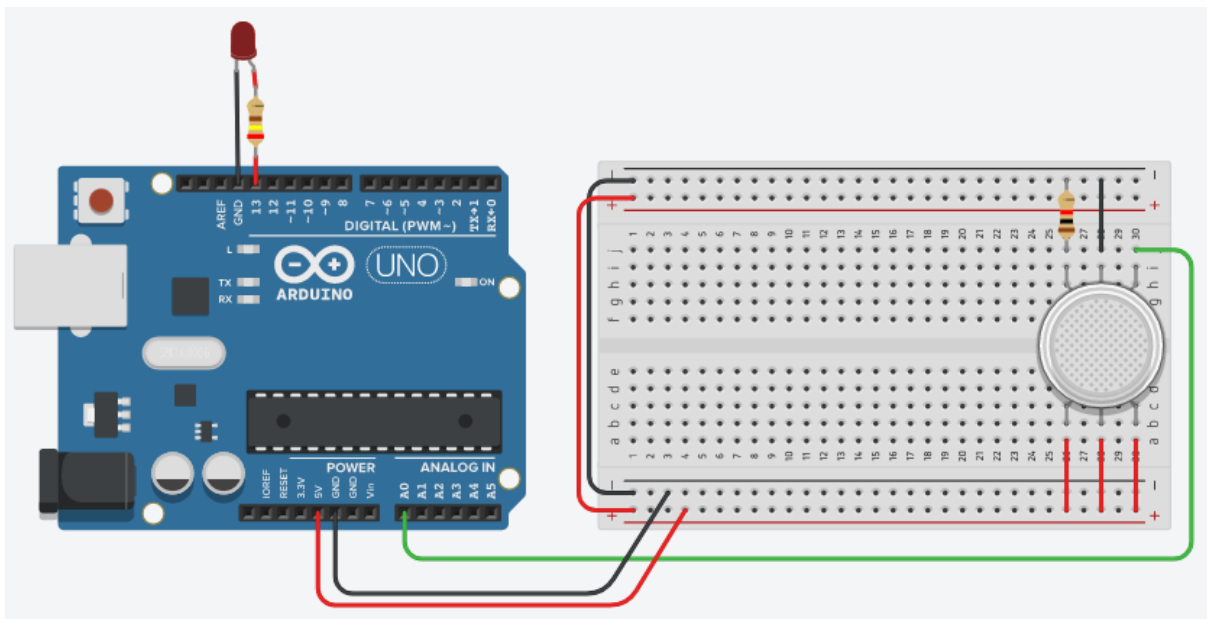
Aim

To turn on the LED upon detecting gas.

Hardware Required

- Arduino Board
- Gas Sensor
- LED
- 240 Ohm Resistor

Circuit Diagram



Code:

```
// Shaan Subbaiah - 1BM18CS096  
// Gas Detection
```

```

void setup()
{
  pinMode(13, OUTPUT);
  pinMode(A0, INPUT);

  Serial.begin(9600);
}

void loop()
{
  float gasVal = analogRead(A0);

  if(gasVal > 200)
    digitalWrite(13, HIGH);
  else
    digitalWrite(13, LOW);

  Serial.println((String)"Gas value: "+gasVal);
  delay(1000);
}

```

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