

14-10-2020

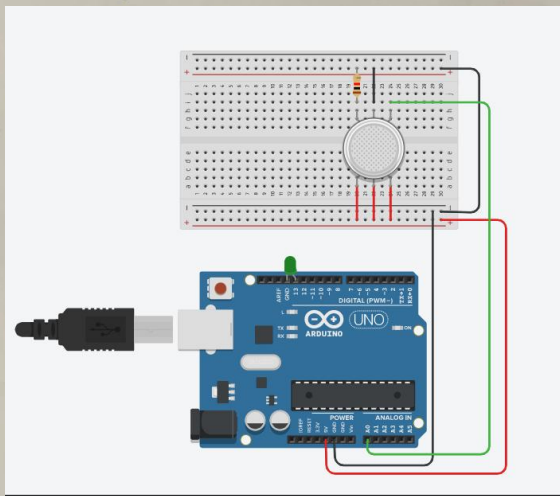
PROGRAM-11

Title: Gas Sensor

Aim: To turn on LED if the gas value gets increased above 250 units.

Hardware Required: Arduino Board, Bread Board, LED, Resistor, Gas Sensor.

Circuit Diagram:



Code:

```
int gaspin = A0;
void setup()
{
  Serial.begin(9600);
}
void loop()
{
  float value = analogRead(gaspin);
  if (value >= 250)
  {
    digitalWrite(led, HIGH);
    Serial.println("Sensor value : ");
    Serial.print(value);
  }
}
```

```

Serial.print (" SMOKE");
delay (value);
}
else
{
  digitalWrite (led, Low);
  Serial.println ("Sensor Value");
  Serial.print (value);
}
delay (1000);
}

```

Observation / Conclusion:

The LED light switches on when the gas level increases above 250 units.