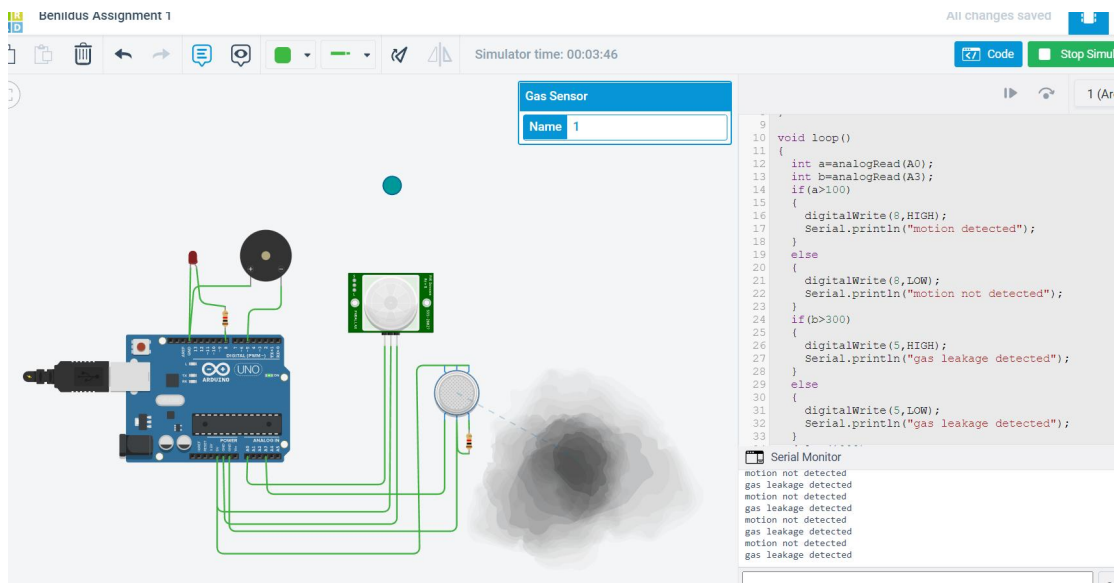


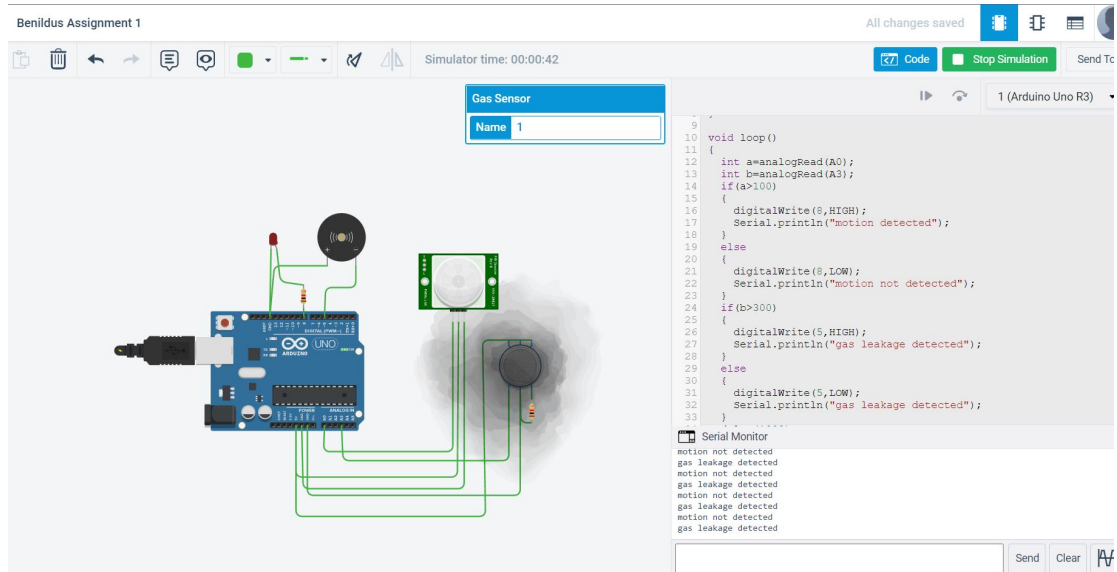
Assignment 1

```
// C++ code
//
void setup()
{
  pinMode(8,OUTPUT);
  pinMode(5,OUTPUT);
  Serial.begin(9600);
}

void loop()
{
  int a=analogRead(A0);
  int b=analogRead(A3);
  if(a>100)
  {
    digitalWrite(8,HIGH);
    Serial.println("motion detected");
  }
  else
  {
    digitalWrite(8,LOW);
    Serial.println("motion not detected");
  }
  if(b>300)
  {
    digitalWrite(5,HIGH);
    Serial.println("gas leakage detected");
  }
  else
  {
    digitalWrite(5,LOW);
    Serial.println("gas leakage detected");
  }
}
```

Benildus Assignment 1





Tinkercad assignment link:

<https://www.tinkercad.com/things/0TJSb1zbUdb?sharecode=jpUwYP62YkQxXZTWnZSMsqlTR1Hsx5BTI2oTQ3coJpY>