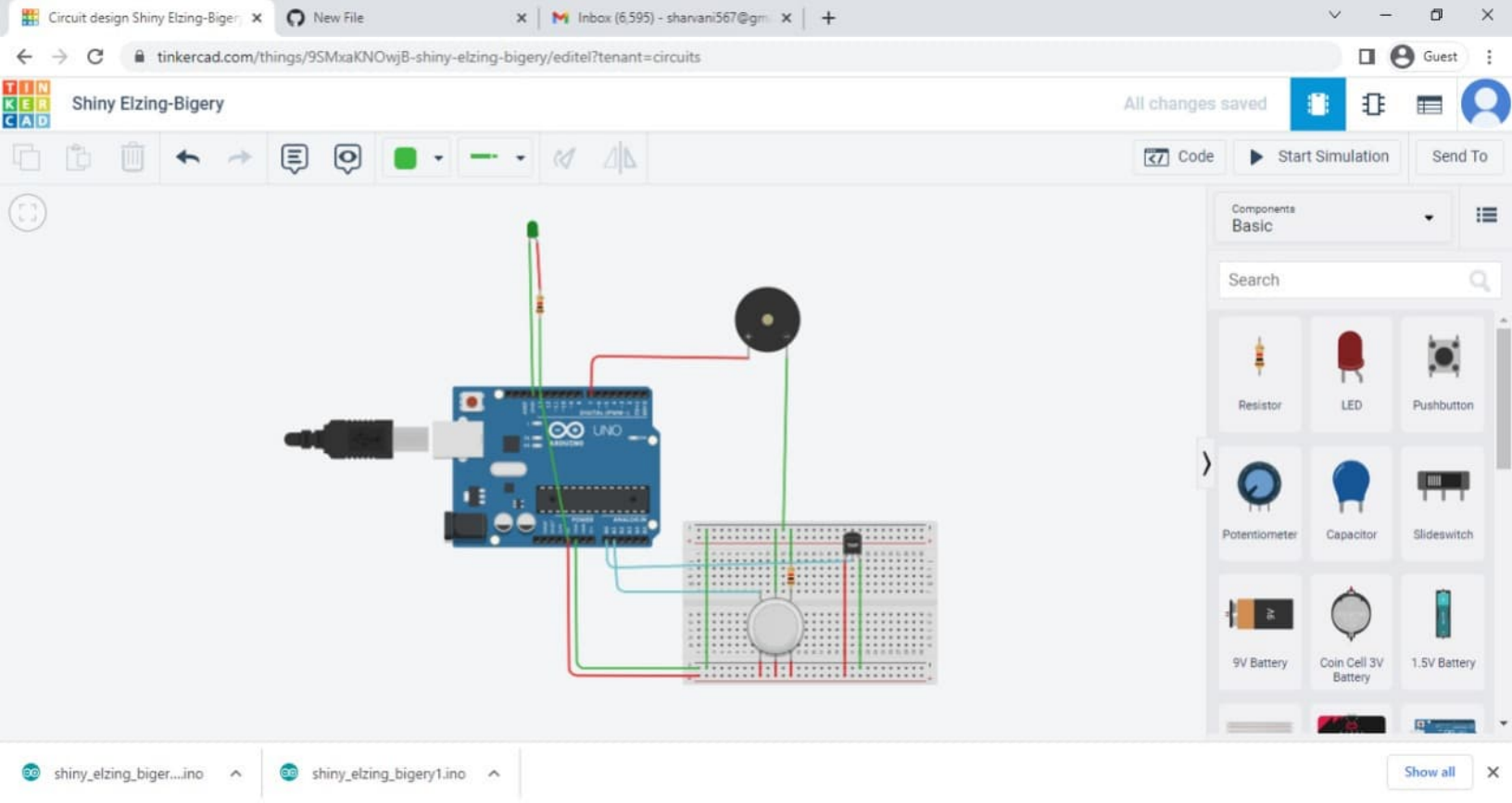

Circuit design Shiny Elzing-Biger
New File
Inbox (6,595) - sharvani567@gm
tinkercad.com/things/9SMxaKNOwjB-shiny-elzing-bigery/editel?tenant=circuits
Guest
Shiny Elzing-Bigery
All changes saved
Code
Start Simulation
Send To
Components
Basic
Search
Resistor
LED
Pushbutton
Potentiometer
Capacitor
Slideswitch
9V Battery
Coin Cell 3V Battery
1.5V Battery
shiny_elzing_biger....ino
shiny_elzing_bigery1.ino
Show all

Circuit design Shiny Elzing-B | New File | Inbox (6,595) - sharvani567@gm

tinkercad.com/things/9SMxaKNOwjB-shiny-elzing-bigery/editel?tenant=circuits

Guest

Shiny Elzing-Bigery

All changes saved

Simulator time: 00:00:33

Code | Stop Simulation | Send To

1 (Arduino Uno R3)

```
1
2
3  float temp;
4
5  float vout;
6
7  float vout1;
8
9  int LED = 13;
10
11 int gasSensor;
12
13 int piezo = 7;
14
15 void setup()
16 {
```

Serial Monitor

```
in DegreeC=  -50.00     GasSensor=  153
in DegreeC=  -50.00     GasSensor=  153
in DegreeC=  -50.00     GasSensor=  153
in DegreeC=  -50.00     GasSensor=  153
in DegreeC=  -50.00     GasSensor=  153
in DegreeC=  -50.00     GasSensor=  153
in DegreeC=  -50.00     GasSensor=  153
in DegreeC=  -50.00     GasSensor=  153
```

Send | Clear

shiny_elzing_biger....ino | shiny_elzing_bigery1.ino

Show all

Circuit design Shiny Elzing-B | New File | Inbox (6,595) - sharvani567@gm

tinkercad.com/things/9SMxaKNOwjB-shiny-elzing-bigery/editel?tenant=circuits

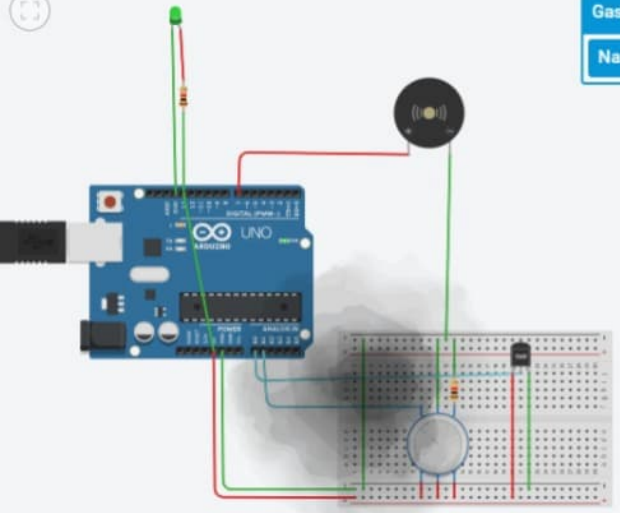
Guest

Shiny Elzing-Bigery

All changes saved

Simulator time: 00:01:05

Code | Stop Simulation | Send To



Gas Sensor

Name 2

1 (Arduino Uno R3)

```
{
digitalWrite(piezo, LOW);
}
Serial.print ("in DegreeC= ");

Serial.print(" ");
Serial.print (temp);

Serial.print("\t");

Serial.print ("GasSensor= ");

Serial.print(" ");

Serial.print (gasSensor);
```

Serial Monitor

```
in DegreeC=  -50.00     GasSensor=  153
in DegreeC=  -50.00     GasSensor=  153
in DegreeC=  -50.00     GasSensor=  153
in DegreeC=  -50.00     GasSensor=  153
in DegreeC=  -50.00     GasSensor=  153
in DegreeC=  -50.00     GasSensor=  153
in DegreeC=  -50.00     GasSensor=  153
in D
```

Send | Clear

shiny_elzing_biger....ino | shiny_elzing_bigery1.ino

Show all

```
float temp;

float vout;

float voutl;

int LED = 13;

int gasSensor;

int piezo = 7;

void setup()
{

pinMode (A0, INPUT);

pinMode (A1, INPUT);

pinMode (LED, OUTPUT);

pinMode (piezo, OUTPUT);

Serial.begin(9600);
}
void loop()
{
vout=analogRead (A1);
voutl=(vout/1023)*5000;
temp=(voutl-500)/10;

gasSensor=analogRead (A0);

if (temp>=80)
{

digitalWrite(LED, HIGH);
}
else
{
digitalWrite(LED, LOW);
}
if (gasSensor>=100)
{
digitalWrite(piezo, HIGH);
}
else
{
digitalWrite(piezo, LOW);
}
Serial.print ("in DegreeC= ");

Serial.print(" ");
Serial.print (temp);

Serial.print("\t");

Serial.print ("GasSensor= ");

Serial.print(" ");

Serial.print (gasSensor);

Serial.println();

delay(1000);
}
```