

Circuit design Brilliant Vihelmo | x | Inbox (2.152) - 19105082@hinet. x | WhatsApp x | +

tinkercad.com/things/dXoF6nj2wsf-brilliant-vihelmo/edit?tenant=circuits

Brilliant Vihelmo

All changes saved

Simulator time: 00:03:05

Code Stop Simulation Send To

25°C 21:21 16-09-2022

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Brilliant Vihelmo

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Simulator time: 00:02:52

Code Stop Simulation Send To

1 (Arduino Uno R3)

```
16 digitalWrite(t,LOW);
17 digitalWrite(t,HIGH);
18 delayMicroseconds(10);
19 digitalWrite(t,LOW);
20 float dur=pulseIn(e,HIGH);
21 float dis=(dur*0.0343)/2;
22 Serial.print("Distance is: ");
23 Serial.println(dis);
24
25 //LED ON
26 if(dis>=100)
27 {
28   digitalWrite(5,HIGH);
29   digitalWrite(7,HIGH);
30 }
31
32 //Buzzer For ultrasonic Sensor
33 if(dis>=100)
34 {
35   for(int i=0; i<=30000; i=i+10)
36   {
37     tone(12,i);
38     delay(1000);
39     noTone(12);
40     delay(1000);
41   }
42 }
43 }
44
45
```

Serial Monitor

Type here to search

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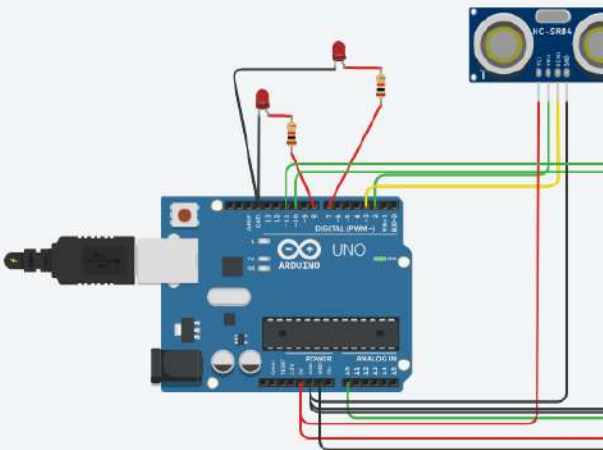
Brilliant Vihelmo

All changes saved

Simulator time: 00:02:44

Code Stop Simulation Send To

1 (Arduino Uno R3)



```
1 // C++ code
2 int t=2;
3 int e=3;
4
5 void setup()
6 {
7   Serial.begin(9600);
8   pinMode(t,OUTPUT);
9   pinMode(e,INPUT);
10  pinMode(12,OUTPUT);
11 }
12
13 void loop()
14 {
15   //ultrasonic sensor
16   digitalWrite(t,LOW);
17   digitalWrite(t,HIGH);
18   delayMicroseconds(10);
19   digitalWrite(t,LOW);
20   float dur=pulseIn(e,HIGH);
21   float dis=(dur*0.0343)/2;
22   Serial.print("Distance is: ");
23   Serial.println(dis);
24
25   //LED ON
26   if(dis>=100)
27   {
28     digitalWrite(8,HIGH);
29     digitalWrite(7,HIGH);
30   }
```

Serial Monitor

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