

All changes saved



Code

Start Simulation

Send To

Text



A

1 (Arduino Uno R3)

```
1 void setup()
2 {
3   Serial.begin(9600);
4   pinMode(2, OUTPUT);
5   pinMode(3, INPUT);
6   pinMode(10, OUTPUT);
7   pinMode(13, OUTPUT);
8 }
9 void loop()
10 {
11   digitalWrite(2, HIGH);
12   delayMicroseconds(10);
13   digitalWrite(2, LOW);
14   int time=pulseIn(3, HIGH);
15   int distance=(time*0.034)/2;
16   if (distance<=10)
17   {
18     Serial.print("\nDoor open");
19     Serial.print("\nDistance ");
20     Serial.println(distance);
21     tone(10, 450);
22     double a = analogRead(A0);
23     double c = (((a/1024)*5)-0.5)*100;
24     Serial.print("Temp value: ");
25     Serial.println(c);
26     if(c>24)
27     {
28       digitalWrite(13, HIGH);
29       Serial.print("Switch on the fan");
30     }
```

Activate Windows

Go to Settings to activate Windows.



Serial Monitor

All changes saved



Code

Start Simulation

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Text



A A

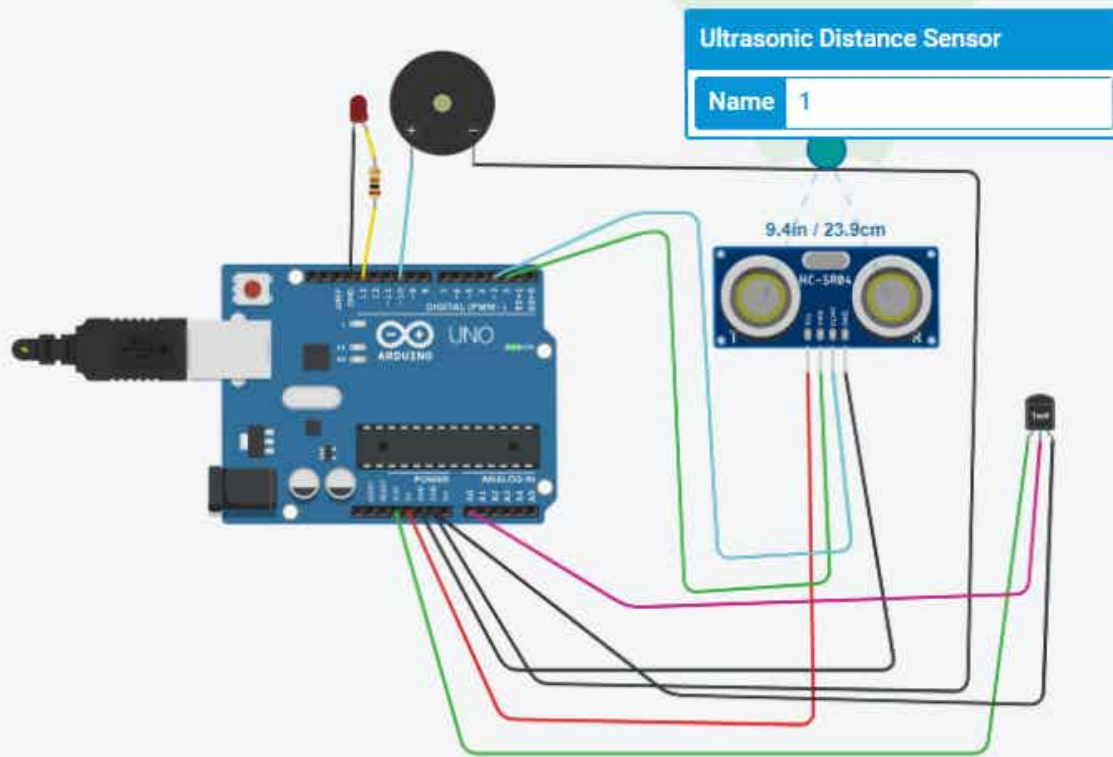
1 (Arduino Uno R3)

```
20 Serial.println(distance);
21 tone(10,450);
22 double a = analogRead(A0);
23 double c = (((a/1024)*5)-0.5)*100;
24 Serial.print("Temp value: ");
25 Serial.println(c);
26 if(c>24)
27 {
28     digitalWrite(13,HIGH);
29     Serial.print("Switch on the fan");
30 }
31 else
32 {
33     digitalWrite(13,LOW);
34     Serial.print("Donot on the fan");
35 }
36
37 delay(500);
38 }
39 else
40 {
41     Serial.println("\nDoor close");
42     Serial.print("Distance ");
43     Serial.println(distance);
44     digitalWrite(10,LOW);
45     delay(1000);
46 }
47 }
48
49
```

Activate Windows
Go to Settings to activate Windows.



Serial Monitor



```

1 void setup()
2 {
3   Serial.begin(9600);
4   pinMode(2,OUTPUT);
5   pinMode(3,INPUT);
6   pinMode(10,OUTPUT);
7   pinMode(13,OUTPUT);
8 }
9 void loop()
10 {
11   digitalWrite(2,HIGH);
12   delayMicroseconds(10);
13   digitalWrite(2,LOW);
14   int time=pulseIn(3,HIGH);
15   int distance=(time*0.034)/2;
16   if (distance<=10)
17   {
18     Serial.print("\nDoor open");
19     Serial.print("\nDistance ");

```

Serial Monitor

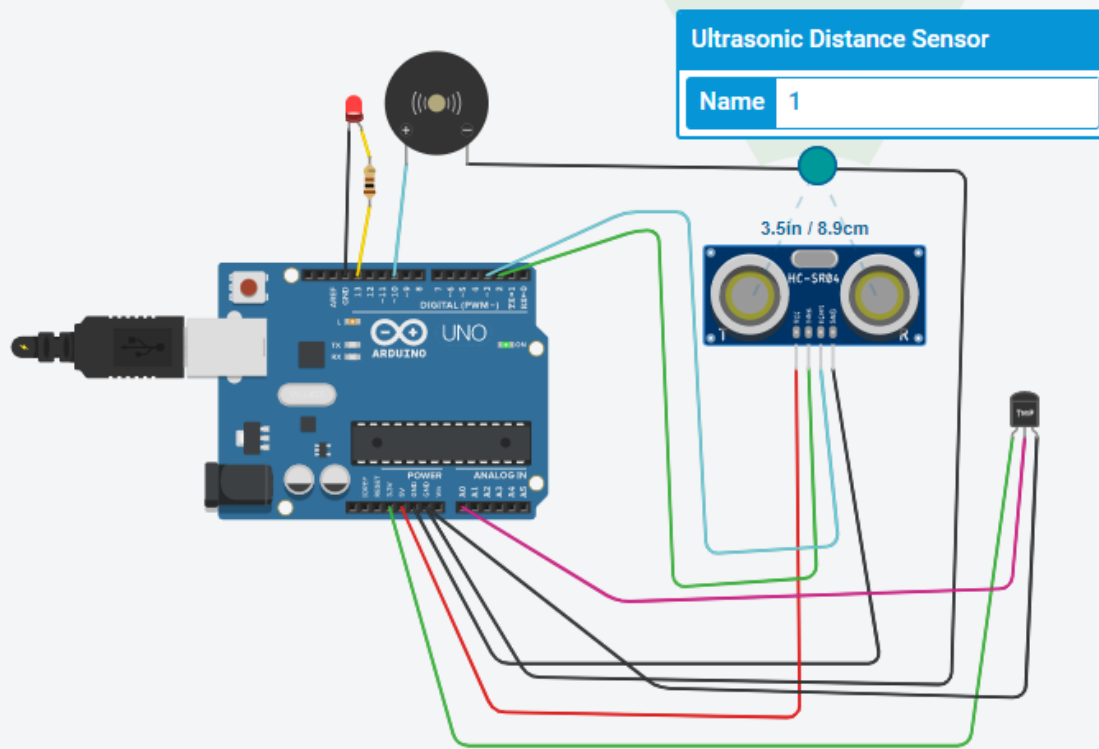
Door close
Distance 23

Door close
Distance 23

Door close
Distance 23

Activate Windows
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Send Clear



```

1 void setup()
2 {
3   Serial.begin(9600);
4   pinMode(2,OUTPUT);
5   pinMode(3,INPUT);
6   pinMode(10,OUTPUT);
7   pinMode(13,OUTPUT);
8 }
9 void loop()
10 {
11   digitalWrite(2,HIGH);
12   delayMicroseconds(10);
13   digitalWrite(2,LOW);
14   int time=pulseIn(3,HIGH);
15   int distance=(time*0.034)/2;
16   if (distance<=10)
17   {
18     Serial.print("\nDoor open");
19     Serial.print("\nDistance ");

```

Serial Monitor

Door open
Distance 8
Temp value: 24.71
Switch on the fan

Activate Windows

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Send Clear