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Dazzling Jofo-Jarv

All changes saved

Code Start Simulation Send To

Text 1 (Arduino Uno R3)

```
1 int trigger_pin = 2;
2 int echo_pin = 3;
3 int buzzer_pin = 10;
4 int time;
5 int distance;
6 void setup(){
7   Serial.begin(9600);
8   pinMode(trigger_pin,OUTPUT);
9   pinMode(echo_pin,INPUT);
10  pinMode(buzzer_pin,OUTPUT);
11 }
12 void loop()
13 {
14   digitalWrite(trigger_pin,HIGH);
15   delayMicroseconds(10);
16   digitalWrite(trigger_pin,LOW);
17   time = pulseIn(echo_pin,HIGH);
18   distance = (time * 0.034)/2;
19   if(distance <= 10){
20     Serial.println("Door Open");
21     Serial.print("Distance= ");
22     Serial.println(distance);
23     digitalWrite(buzzer_pin,HIGH);
24     delay(500);
25   }
26   else{
27     Serial.println("Door Closed");
28     Serial.print("Distance= ");
29     Serial.println(distance);
30     digitalWrite(buzzer_pin,LOW);
31     delay(500);
32   }
33 }
```

Serial Monitor

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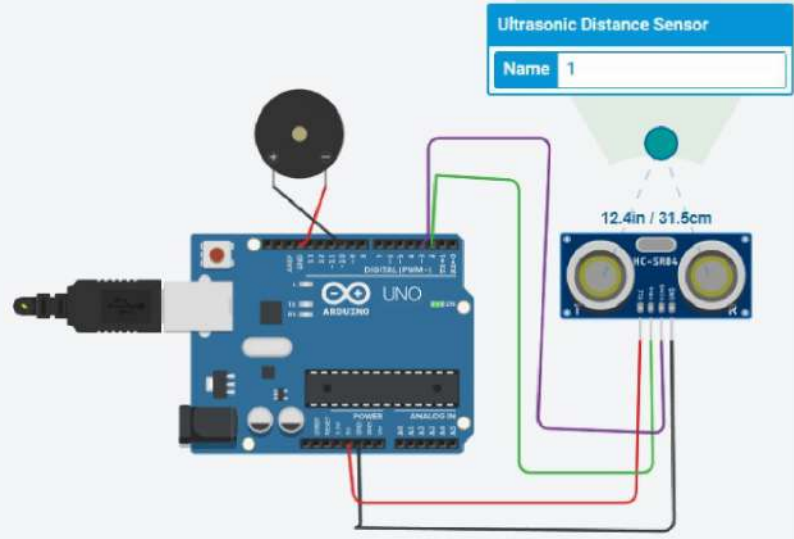
Dazzling Jofo-Jarv

All changes saved

Simulator time: 00:00:04

Code Stop Simulation Send To

1 (Arduino Uno R3)



```
1 int trigger_pin = 2;
2 int echo_pin = 3;
3 int buzzer_pin = 10;
4 int time;
5 int distance;
6 void setup() {
7   Serial.begin(9600);
8   pinMode(trigger_pin, OUTPUT);
9   pinMode(echo_pin, INPUT);
10  pinMode(buzzer_pin, OUTPUT);
11 }
12 void loop() {
13   digitalWrite(trigger_pin, HIGH);
14   delayMicroseconds(10);
15   digitalWrite(trigger_pin, LOW);
16   time = pulseIn(echo_pin, HIGH);
17   distance = (time * 0.034) / 2;
18   if (distance <= 10) {
19     Serial.println("Door Open");
20     Serial.print("Distance= ");
21     Serial.println(distance);
22   }
```

Serial Monitor

Door Open
Distance= 6
Door Open
Distance= 6
Door Open
Distance= 6
Door Closed
Distance= 332

Send Clear