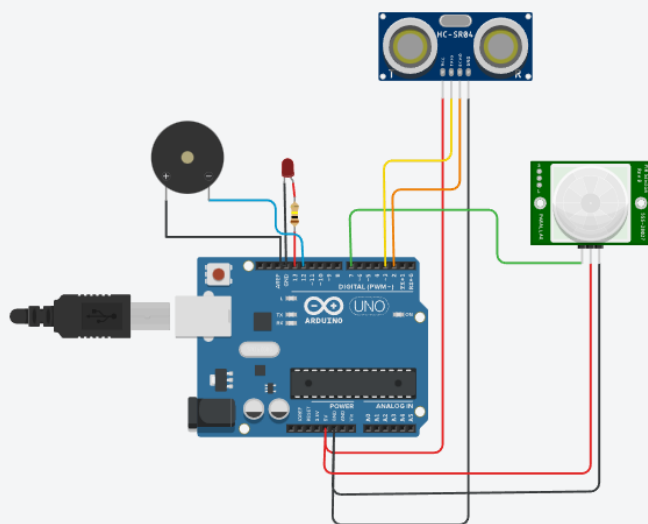


Code

Start Simulation

Send To



Text



1 (Arduino Uno R3)

```
1 #define echoPin 2 // attach pin D2 Arduino to pin Echo of HC-SR04
2 #define trigPin 3 //attach pin D3 Arduino to pin Trig of HC-SR04
3 #define sensor 7
4
5 // defines variables
6 long duration; // variable for the duration of sound wave travel
7 int distance; // variable for the distance measurement
8
9
10 int led = 13; // the pin that the LED is attached
11
12 int state; // by default, no motion detected
13 int val ;
14 int buzzer = 12;
15
16 void setup()
17 {
18   pinMode(buzzer, OUTPUT);
19
20   pinMode(led, OUTPUT); // initialize LED as an output
21   pinMode(sensor, INPUT); // initialize sensor as an input
22
23   Serial.begin(9600);
24
25   pinMode(trigPin, OUTPUT); // Sets the trigPin as an OUTPUT
26   pinMode(echoPin, INPUT); // Sets the echoPin as an INPUT
27   Serial.println("Ultrasonic Sensor HC-SR04 Test"); // print some
28
```

Serial Monitor