NAME:SNEHA BAI K
NAANMUDHALVAN ID:au820420106043

ASSIGNMENT-1

Build a smart home in wokwi with minimum 2 sensor ,Led,Buzzer.

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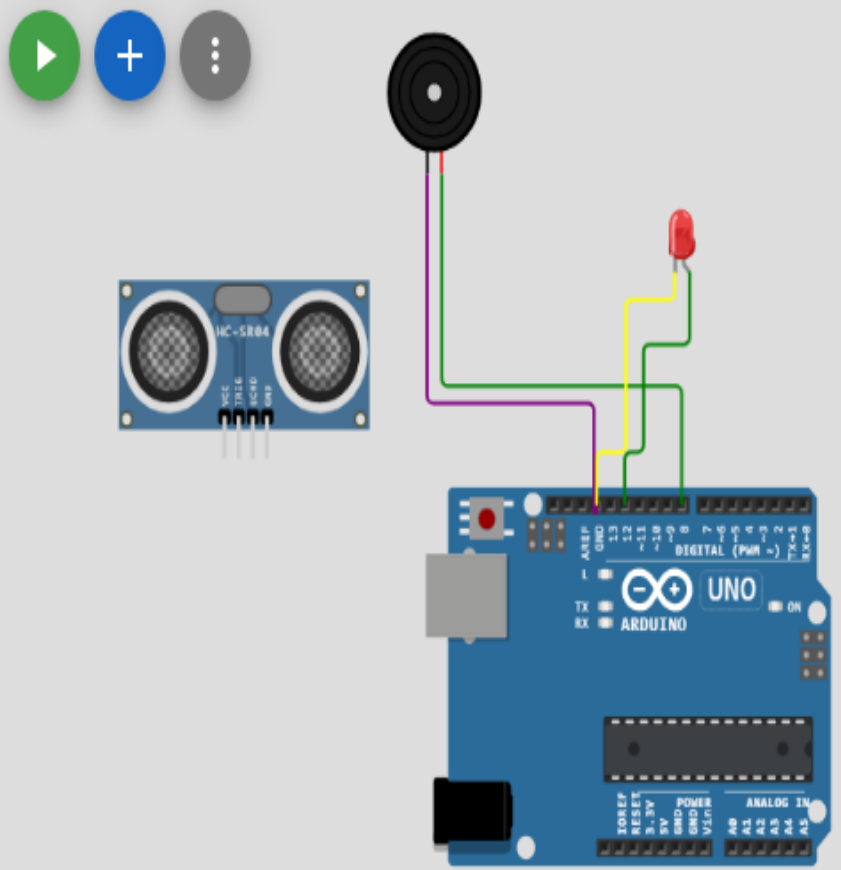
sketch.ino diagram.json ● Library Manager

```
1  void setup() {
2    // put your setup code here, to run once:
3
4  }
5
6  void loop() {
7    // put your main code here, to run repeatedly:
8
9  }
10
```

Simulation



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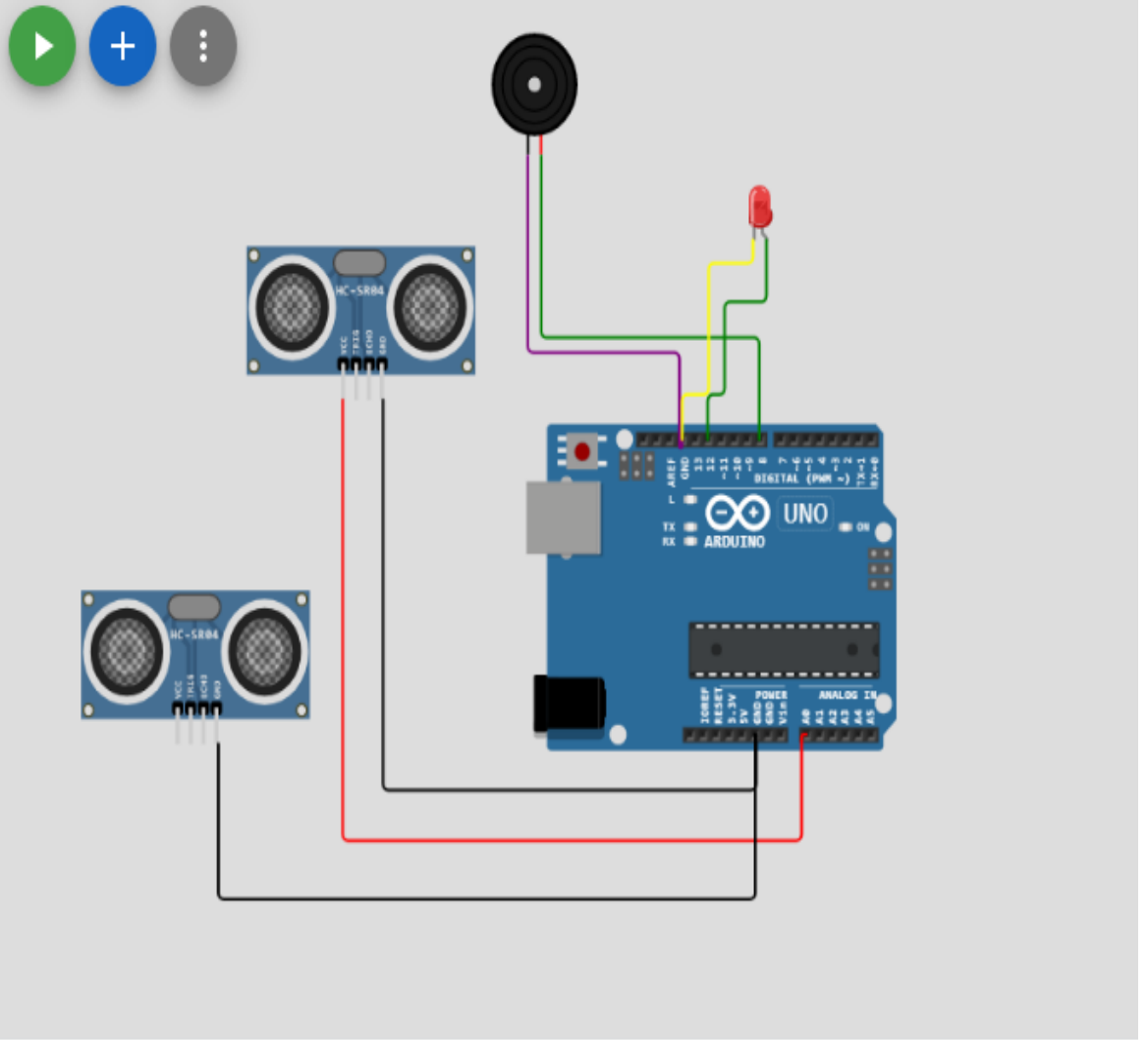
Simulation



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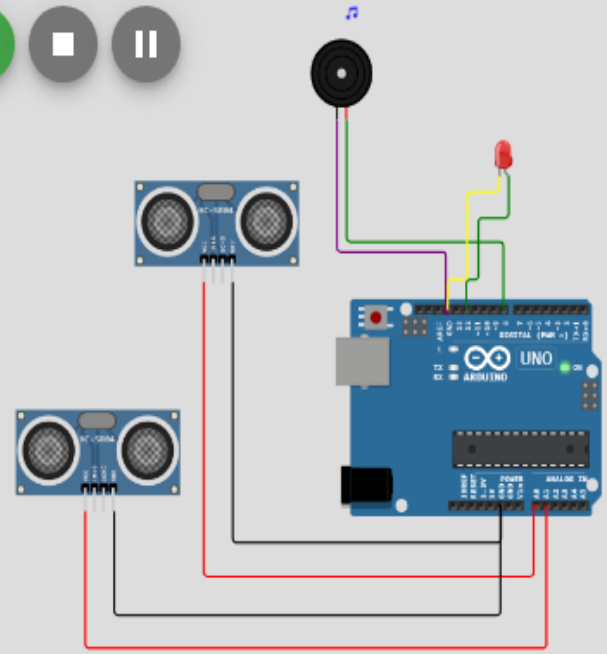
sketch.ino ● diagram.json ● Library Manager

```ino
int sensorPin1 = A0;
int sensorPin2 = A1;
int ledPin = 12;
int buzzerPin = 8;

void setup() {
  pinMode(sensorPin1, INPUT);
  pinMode(sensorPin2, INPUT);
  pinMode(ledPin, OUTPUT);
  pinMode(buzzerPin, OUTPUT);
}

void loop() {
  int sensorValue1 = analogRead(sensorPin1);
  int sensorValue2 = analogRead(sensorPin2);

  if (sensorValue1 > 500 || sensorValue2 > 500) {
    digitalWrite(ledPin, HIGH);
    digitalWrite(buzzerPin, HIGH);
    delay(500);
    digitalWrite(ledPin, LOW);
    digitalWrite(buzzerPin, LOW);
    delay(500);
  } else {
    digitalWrite(ledPin, LOW);
    digitalWrite(buzzerPin, LOW);
  }
```

Simulation

00:12.899 93%



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sketch.ino ● diagram.json ● Library Manager

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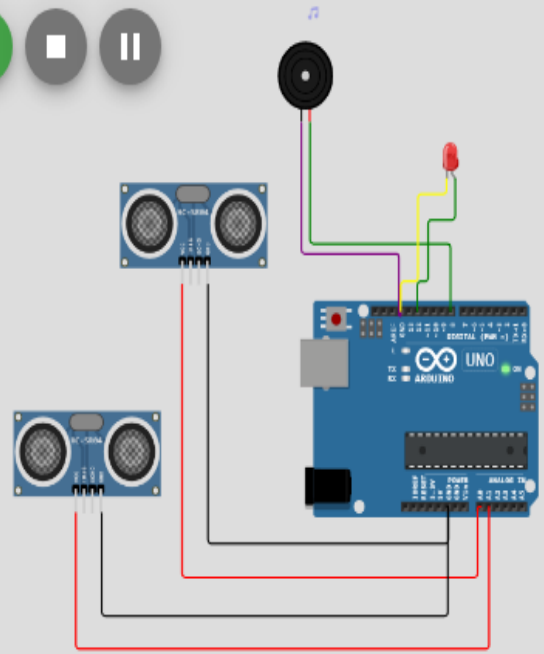
    delay(500);
  } else {
    digitalWrite(ledPin, LOW);
    digitalWrite(buzzerPin, LOW);
  }
}
```

Simulation

00:21.765 98%



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sketch.ino ● diagram.json ● Library Manager

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    digitalWrite(buzzerPin, LOW);
  }
```
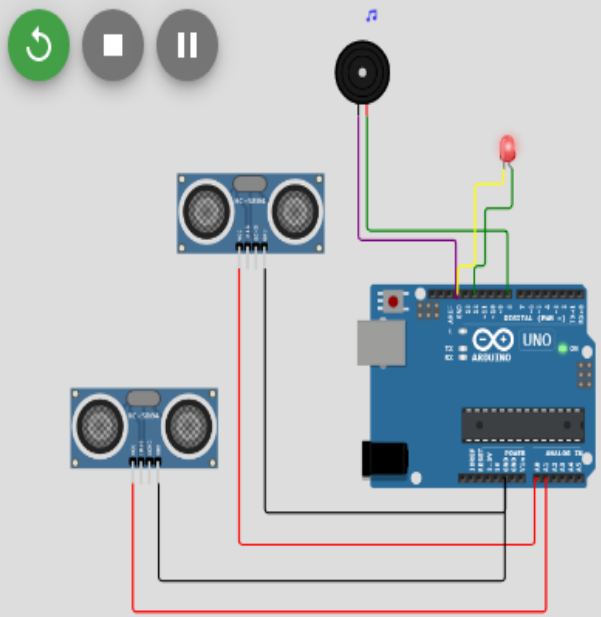

Simulation

00:23.032 100%



Link: https://wokwi.com/projects/363141203133869057