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sketch.ino diagram.json

Library Manager

```
#define trigerPin 12
#define echoPin 13
#define ledPin  2
#define speakerPin 10
#define pitch 262

double duration,distance;


void setup() {
Serial.begin(9600);
pinMode(trigerPin,OUTPUT);
pinMode(echoPin,INPUT);


pinMode(ledPin,OUTPUT);

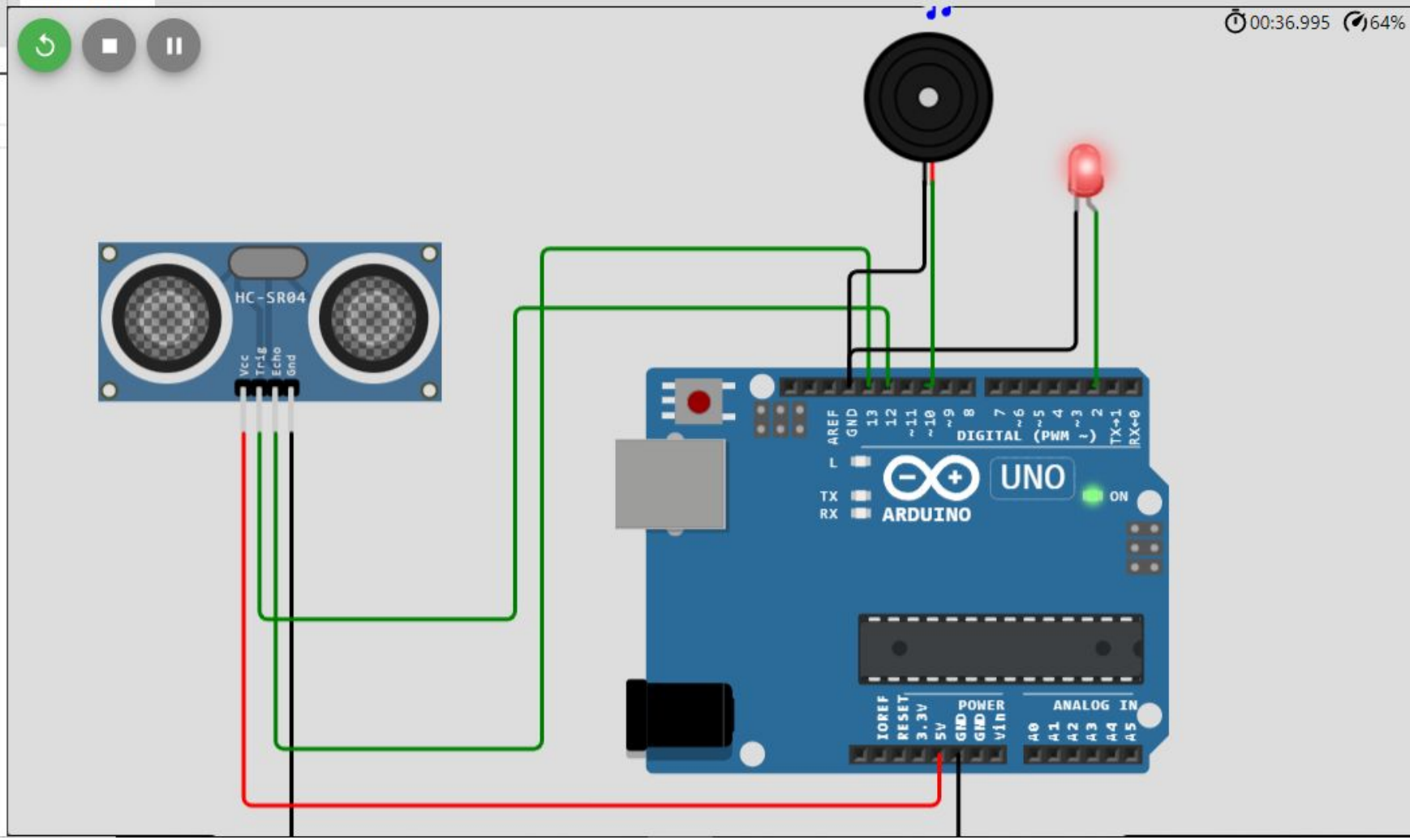

pinMode(speakerPin,OUTPUT);


}

void loop() {
digitalWrite(trigerPin,LOW);
delayMicroseconds(2);
digitalWrite(trigerPin,HIGH);
delayMicroseconds(10);
digitalWrite(trigerPin, LOW);
delayMicroseconds(2);

```

Simulation



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wokwi.com/projects/346393123785540178

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```
25  digitalWrite(trigerPin,LOW);
26  delayMicroseconds(2);
27  digitalWrite(trigerPin,HIGH);
28  delayMicroseconds(10);
29  digitalWrite(trigerPin, LOW);
30  delayMicroseconds(2);
31
32
33  duration=pulseIn(echoPin,HIGH);
34
35  distance=(duration/2)*0.0343;
36
37  if(distance<100){
38     digitalWrite(ledPin,HIGH);
39     tone(speakerPin,pitch);
40     delay(300);
41
42     digitalWrite(ledPin, LOW);
43     noTone(speakerPin);
44     delay(300);
45
46
47  }
48  else{
49        digitalWrite(ledPin, LOW);
50        noTone(speakerPin);
51
52  }
53
54  }
55
```

Simulation

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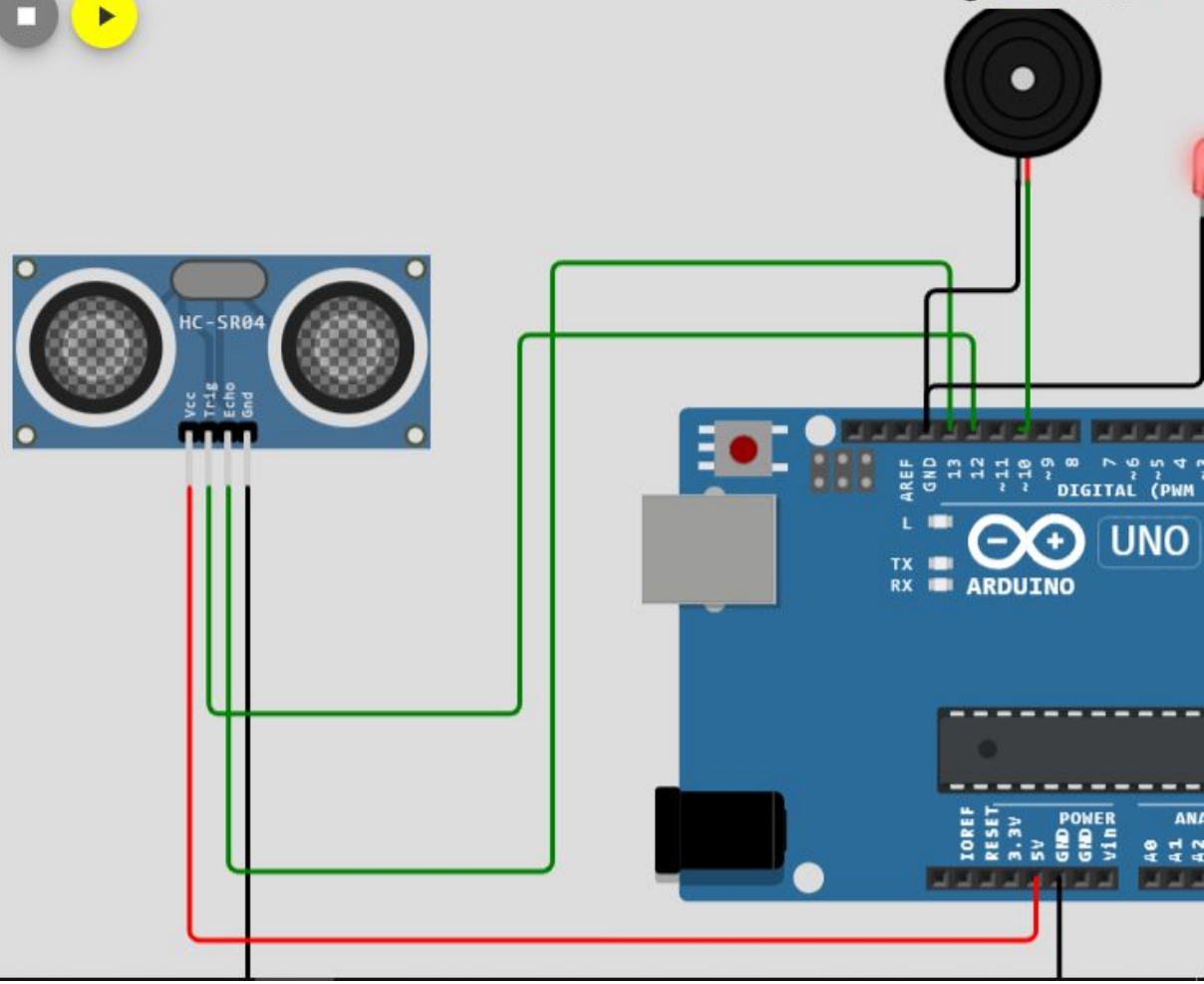

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```

Simulation

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