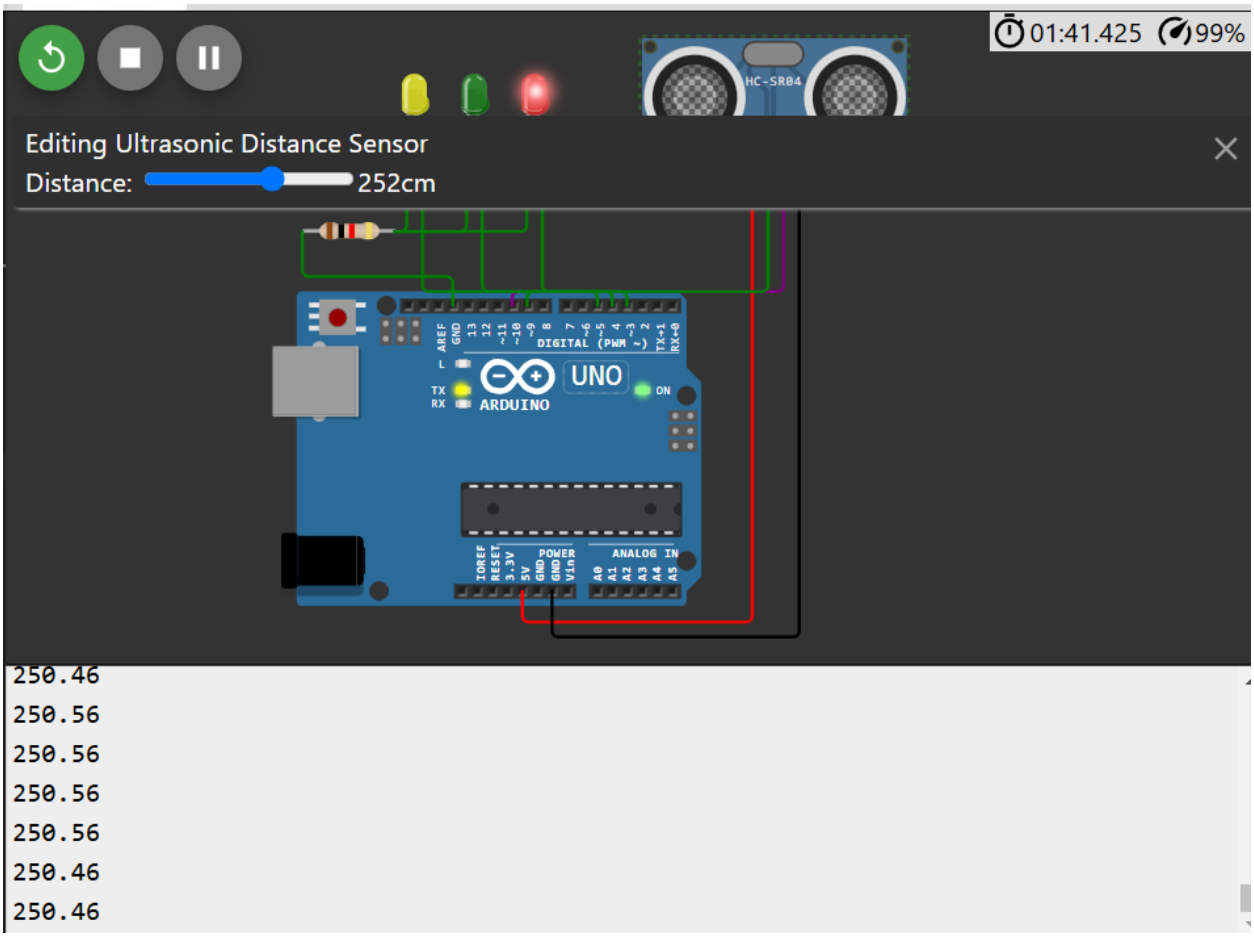


```
const int trigPin = 9;
const int echoPin = 10;
const int redLED = 3;
const int greenLED = 4;
const int yellowLED = 5;

void setup() {
  pinMode(trigPin, OUTPUT);
```

```
 pinMode(echoPin, INPUT);
 pinMode(redLED, OUTPUT);
 pinMode(greenLED, OUTPUT);
 pinMode(yellowLED, OUTPUT);
 Serial.begin(9600);
}

void loop() {
 long duration;
 float distance;


 digitalWrite(trigPin, LOW);
 delayMicroseconds(2);


 digitalWrite(trigPin, HIGH);
 delayMicroseconds(10);
 digitalWrite(trigPin, LOW);


 duration = pulseIn(echoPin, HIGH);
 distance = duration * 0.034 / 2;


 Serial.println(distance);


 if (distance > 250) {
```

```
    digitalWrite(redLED, HIGH);
    digitalWrite(greenLED, LOW);
    digitalWrite(yellowLED, LOW);
  } else if (distance >= 100 && distance < 250) {
    digitalWrite(redLED, LOW);
    digitalWrite(greenLED, HIGH);
    digitalWrite(yellowLED, LOW);
  } else if (distance < 100) {
    digitalWrite(redLED, LOW);
    digitalWrite(greenLED, LOW);
    digitalWrite(yellowLED, HIGH);
  }

  delay(100);
}
```

https://wokwi.com/projects/417825751186828289