



```

1
2 #define echoPin 2
3 #define trigPin 3
4 long duration;
5 int distance;
6
7 void setup() {
8     pinMode(trigPin, OUTPUT);
9     pinMode(echoPin, INPUT);
10    Serial.begin(9600);
11    Serial.println("Ultrasonic Sensor HC-SR04 Test");
12    Serial.println("with Arduino UNO R3");
13 }
14 void loop() {
15     digitalWrite(trigPin, LOW);
16     digitalWrite(trigPin, HIGH); delayMicroseconds(2);
17     delayMicroseconds(10);
18     digitalWrite(trigPin, LOW);
19     duration = pulseIn(echoPin, HIGH);
20     distance = duration * 0.034 / 2;
21     Serial.print("Distance: ");
22     Serial.print(distance);
23     Serial.println(" cm");
24 }

```



Serial Monitor

Distance: 110 cm
 Distance: 110 cm
 Distance: 110 cm
 Distance: 110 cm
 Distance: 110 cm
 Distance: 110 cm
 Distance: 110 cm
 Distance: 11

Text Input