



```

1  #include <LiquidCrystal.h>
2
3  LiquidCrystal lcd(12, 11, 5, 4, 3, 2);
4  int T = 7;
5  int E = 6;
6  int D1;
7  float D2 = 0;
8  int level = 0;
9
10 long readUltrasonicDistance(int triggerPin,
11 {
12     pinMode(triggerPin, OUTPUT); // Clear the
13     digitalWrite(triggerPin, LOW);
14     delayMicroseconds(2);
15     // Sets the trigger pin to HIGH state for
16     digitalWrite(triggerPin, HIGH);
17     delayMicroseconds(10);
18     digitalWrite(triggerPin, LOW);
19     pinMode(echoPin, INPUT);
20     // Reads the echo pin, and returns the sou
21     return pulseIn(echoPin, HIGH);
22 }
23
24 void setup(){
25     lcd.begin(16,2);
26     pinMode(T, OUTPUT);
27     pinMode(E, INPUT);
28     pinMode(8, OUTPUT);
29     Serial.begin(9600);
30
31     pinMode(10, OUTPUT);
32     pinMode(9, OUTPUT);
33 }
34
35 void loop(){
36     digitalWrite(T, LOW);
37     delay(9);
38     digitalWrite(T, HIGH);
39     delay(12);
40     digitalWrite(T, LOW);
41

```







