#include <LiquidCrystal.h>  
int Contrast=35;  
LiquidCrystal lcd(12, 11, 5, 4, 3, 2);    
   
const int trigPin = 9;  
const int echoPin = 10;  
long duration;  
int distanceCm;  
  
 void setup()  
 {  
     analogWrite(6,Contrast);  
     lcd.begin(16, 2);  
     pinMode(trigPin, OUTPUT);  
     pinMode(echoPin, INPUT);  
     Serial.begin(9600);  
  }  
     void loop()  
 { digitalWrite(trigPin, LOW);  
delayMicroseconds(2);  
digitalWrite(trigPin, HIGH);  
delayMicroseconds(10);  
digitalWrite(trigPin, LOW);  
  
duration = pulseIn(echoPin, HIGH);  
distanceCm= duration\*0.034/2;  
distanceInch = duration\*0.0133/2;  
  
lcd.setCursor(0,1); // Sets the location at which subsequent text written to the LCD will be displayed  
lcd.print("Distance: ");// Prints string "Distance" on the LCD  
Serial.print("distance:");  
Serial.println(distanceCm);  
lcd.print(distanceCm); // Prints the distance value from the sensor  
lcd.print("  cm");  
delay(10);  
lcd.setCursor(0,0);  
lcd.print("MOUNICA");  
delay(10);  
 }