#include <Wire.h>

#include <LiquidCrystal\_I2C.h>

LiquidCrystal\_I2C lcd(0x27,16,2);

#include <Ultrasonic.h>

#define pino\_trigger 4

#define pino\_echo 5

Ultrasonic ultrasonic(pino\_trigger, pino\_echo);

void setup()

{

lcd.init();

Serial.begin(4800);

Serial.println("Lendo dados do sensor...");

lcd.setBacklight(HIGH);

lcd.setCursor(0,0);

lcd.print("Lendo dados");

lcd.setCursor(0,1);

lcd.print("do sensor...");

delay(3000);

lcd.setBacklight(LOW);

delay(750);

lcd.clear();

}

void loop()

{

float cmMsec, inMsec;

long microsec = ultrasonic.timing();

cmMsec = ultrasonic.convert(microsec, Ultrasonic::CM);

inMsec = ultrasonic.convert(microsec, Ultrasonic::IN);

//Exibe informacoes no serial monitor

Serial.print("Distancia em cm: ");

Serial.print(cmMsec);

Serial.print(" - Distancia em polegadas: ");

Serial.println(inMsec);

delay(1000);

lcd.setBacklight(HIGH);

lcd.setCursor(0,0);

lcd.print("Distancia em cm:");

lcd.setCursor(0,1);

lcd.print(cmMsec);

delay(4800);

lcd.setBacklight(LOW);

delay(750);

lcd.clear();

}

video: https://drive.google.com/file/d/1R6MRPz1yFBI1KKY2BqZ4Y4Yaeh8Squrt/view