#include <Wire.h>

#include <LiquidCrystal\_I2C.h>

LiquidCrystal\_I2C lcd(0x27, 16, 2); // Set LCD address to 0x27

void setup() {

// Initialize serial communication

Serial.begin(115200);

// Initialize LCD

lcd.init();

lcd.backlight();

// Show startup message

lcd.clear();

lcd.setCursor(0,0);

lcd.print("Health Monitor");

lcd.setCursor(0,1);

lcd.print("Initializing...");

}

void loop() {

if (Serial.available() > 0) {

String data = Serial.readStringUntil('\n');

data.trim();

// Clear LCD

lcd.clear();

// Display health status

lcd.setCursor(0,0);

lcd.print("Health Status:");

lcd.setCursor(0,1);

// Display the message

lcd.print(data);

// Send acknowledgment

Serial.println("OK");

}

}