sketch.ino

#include <dht.h>

#include <LiquidCrystal\_I2C.h>

#define DHT22\_PIN 7

dht DHT;

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

int cursorColumn = 0;

void setup() {

  // put your setup code here, to run once:

 lcd.init();

  lcd.backlight();

}

void loop() {

  // put your main code here, to run repeatedly:

 int chk = DHT.read(DHT22\_PIN);

  lcd.setCursor(0, 0);

  lcd.print("Temp.: ");

  lcd.setCursor(10, 0);

  lcd.print(DHT.temperature);

  lcd.setCursor(0, 1);

  lcd.print("Humidity: ");

  lcd.setCursor(10, 1);

  lcd.print(DHT.humidity);

  delay(1000);

}

diagram.json

{

  "version": 1,

  "author": "Sanket Jha",

  "editor": "wokwi",

  "parts": [

    { "type": "wokwi-arduino-uno", "id": "uno", "top": -66, "left": 92.67, "attrs": {} },

    {

      "type": "wokwi-lcd1602",

      "id": "lcd1",

      "top": 144.96,

      "left": 393.33,

      "attrs": { "pins": "i2c" }

    },

    { "type": "wokwi-dht22", "id": "dht1", "top": 105.63, "left": 0.67, "attrs": {} }

  ],

  "connections": [

    [ "uno:GND.3", "lcd1:GND", "black", [ "v0" ] ],

    [ "uno:5V", "lcd1:VCC", "red", [ "v0" ] ],

    [ "uno:5V", "dht1:VCC", "red", [ "v0" ] ],

    [ "dht1:GND", "uno:GND.2", "black", [ "v0" ] ],

    [ "dht1:SDA", "uno:7", "green", [ "v0" ] ],

    [ "uno:A5", "lcd1:SCL", "green", [ "v0" ] ],

    [ "lcd1:SDA", "uno:A4", "green", [ "h0" ] ]

  ]

}

# Wokwi Library List

-DHTlib

-LiquidCrystal I2C

Connections:-

