

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:-

