

```
// Example testing sketch for various DHT humidity/temperature sensors
```

```
// Written by ladyada, public domain
```

```
#include "DHT.h"
```

```
// Uncomment whatever type you're using!
```

```
//#define DHTTYPE DHT11 // DHT 11
```

```
#define DHTTYPE DHT22 // DHT 22 (AM2302)
```

```
//#define DHTTYPE DHT21 // DHT 21 (AM2301)
```

```
//#define DHTTYPE DHT10 // DHT 10
```

```
//#define DHTTYPE DHT20 // DHT 20
```

```
/*Notice: The DHT10 and DHT20 is different from other DHT* sensor ,it uses i2c int  
than one wire*/
```

```
/*So it doesn't require a pin.*/
```

```
#define DHTPIN 2 // what pin we're connected to (DHT10 and DHT20 don't need
```

```
DHT dht(DHTPIN, DHTTYPE); // DHT11 DHT21 DHT22
```

```
//DHT dht(DHTTYPE); // DHT10 DHT20 don't need to define Pin
```

```
// Connect pin 1 (on the left) of the sensor to +5V
```

```
// Connect pin 2 of the sensor to whatever your DHTPIN is
```

```
// Connect pin 4 (on the right) of the sensor to GROUND
```

```
// Connect a 10K resistor from pin 2 (data) to pin 1 (power) of the sensor
```

```
#if defined(ARDUINO_ARCH_AVR)
```



```
#define debug Serial

#elif defined(ARDUINO_ARCH_SAMD) || defined(ARDUINO_ARCH_SAM)
    #define debug SerialUSB
#else
    #define debug Serial
#endif

void setup() {

    debug.begin(115200);
    debug.println("DHTxx test!");
    Wire.begin();

    /*if using WIO link,must pull up the power pin.*/
    // pinMode(PIN_GROVE_POWER, OUTPUT);
    // digitalWrite(PIN_GROVE_POWER, 1);

    dht.begin();
}

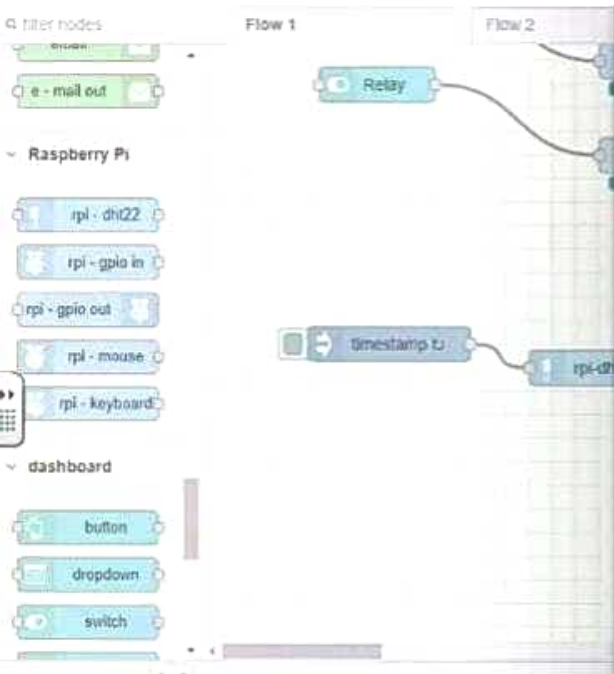
void loop() {
    float temp_hum_val[2] = {0};

    // Reading temperature or humidity takes about 250 milliseconds!
    // Sensor readings may also be up to 2 seconds 'old' (its a very slow sensor)
```



```
if (!dht.readTempAndHumidity(temp_hum_val)) {  
    debug.print("Humidity: ");  
    debug.print(temp_hum_val[0]);  
    debug.print(" %\t");  
    debug.print("Temperature: ");  
    debug.print(temp_hum_val[1]);  
    debug.println(" *C");  
} else {  
    debug.println("Failed to get temprature and humidity value.");  
}  
  
delay(1500);  
}
```





Edit gauge node

Delete Cancel Done

Properties

Group: [Home Automation] DHT11

Size: auto




Type: Gauge

Label: Temperature

Value format: {{value}}

Units: C

Range: min 0 max 50

Colour gradient:   

Sectors: 0 optional optional 50

Enabled



filter nodes

slider

numeric

text input

date picker

colour picker

form

text

gauge

chart

audio out

notification

ui control

template

Flow 1

Flow 2

Flow 3

+

≡

debug

i

🔍

🔧

🔄

⌵

⌵ all nodes

🗑

9/14/2021, 9:31:23 AM node: 4b62a4ba-01161c
msg.payload: string[0]
"Hello"

9/14/2021, 9:31:38 AM node: 4b62a4ba-01161c
msg.payload: string[0]
"Hello"

filter nodes

common

inject

debug

complete

catch

status

link in

link out

comment

function

switch

Flow 1

Flow 2

Flow 3

+

⋮

+

⋮

debug

i

⋮

⋮

⋮

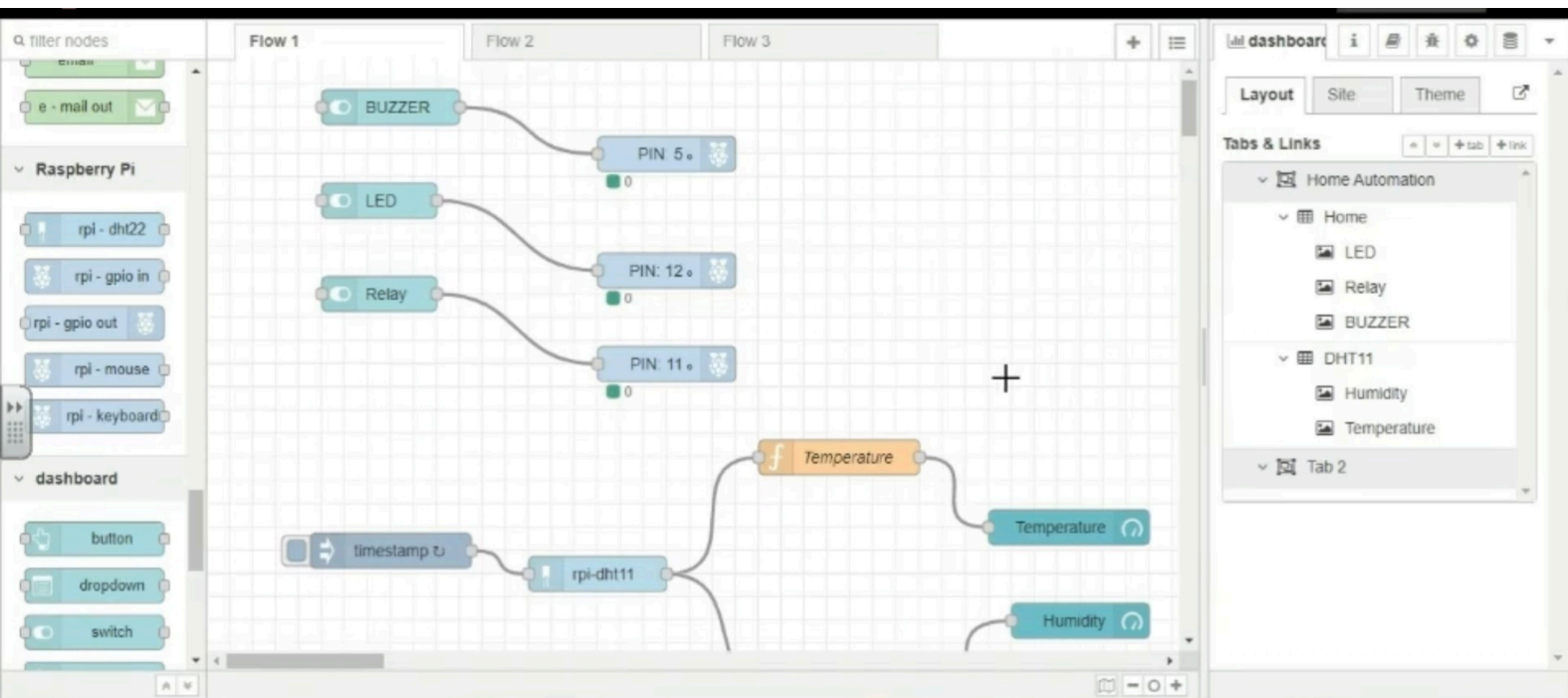
⋮

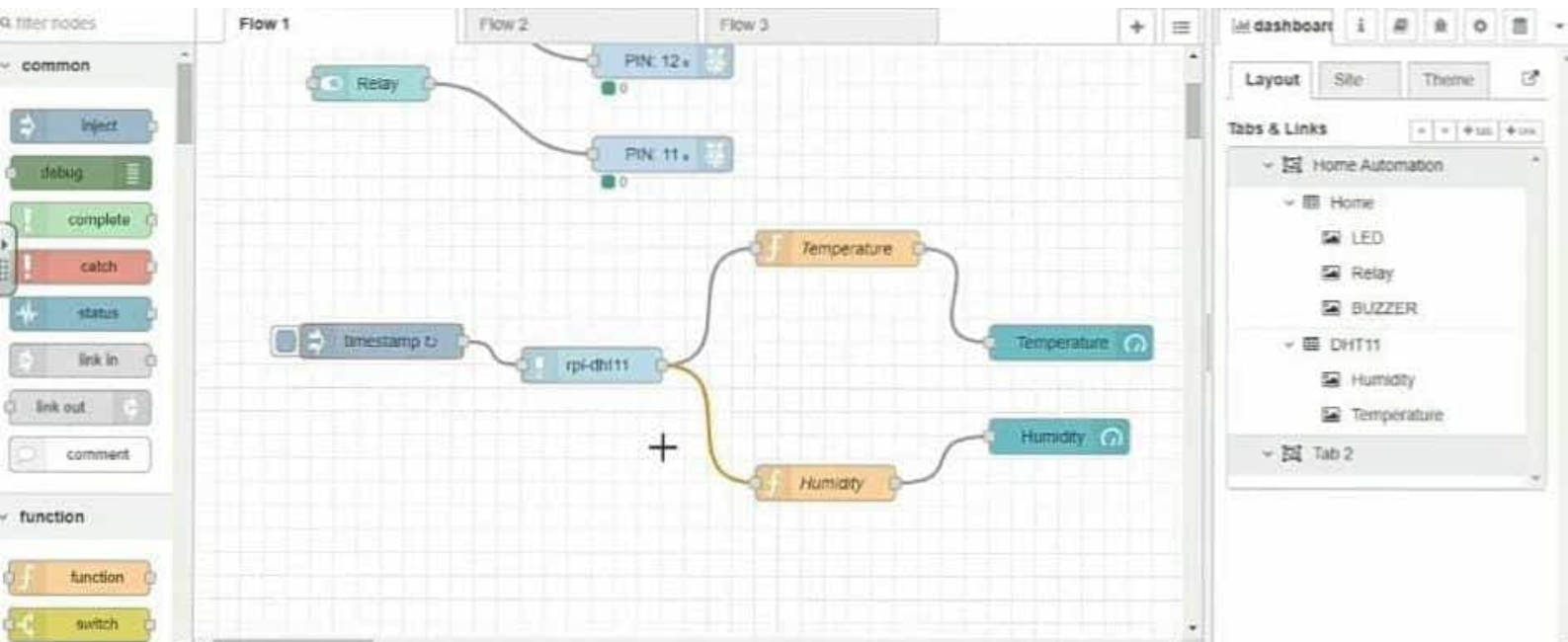
⋮

all nodes

9/14/2021, 9:31:23 AM node: 4bb2a4ba.01161c
msg.payload : string[5]
"Hello"

9/14/2021, 9:31:30 AM node: 4bb2a4ba.01161c
msg.payload : string[5]
"Hello"





Home

LED

Relay

BUZZER



DHT11

Humidity



Temperature

