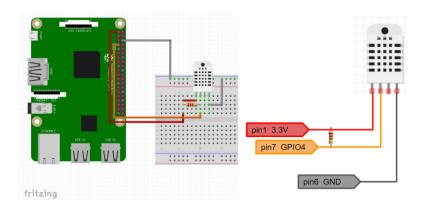
實驗五: DHT22 & Web

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一、電路圖



二、程式

需求

完成 DHT22 溫溼度量測,並上傳華氏溫度,攝氏溫度,濕度,量測時間到 MySQL(MariaDB)資料庫,並能夠顯示這些資料在瀏覽器上。

程式說明

完整程式碼: https://github.com/jessie900309/NTUE_RaspberryPiPractice/tree/master/20220519

```
Setup.php

(?php

// 這個檔案拿來建立資料申環境
$host = "localhost";
$dbuser = "root";
$dbuser = "root";
$dbuser = "root";
$create db sql = "CREATE DATABASE IF NOT EXISTS 'dht22 log';";
$create db sql = "CREATE TABLE IF NOT EXISTS 'dht22 log', log' ( 'Index id' INT NOT NULL
AUTO INCREMENT , "respect varehear (20) NOT NULL, There' varehear (20) NOT NULL, 'Index id' INT NOT NULL, 'Index id' INT NOT NULL, 'Index id' INT NOT NULL, 'Index id') ENGINE = InnoDE;";

$conn = mysqli connect($host, $dbuser, $dbpasswd);

if(|Sconn) {
    echo "Error: Unable to connect to MySQL." . *EHP EOL;
    echo "bebugging error: " . mysqli connect error() . *FHP EOL;
    dle ("無法建總至資料庫");

}

$ret = mysqli query($conn, $create db sql);

if(|Sret) {
    echo "bebugging error: " . mysqli connect error() . *PHP EOL;
    echo "bebugging error: " . mysqli connect error() . *PHP EOL;
    die ("建立 db 失败");

}

// 验述整線組飾
mysqli query($conn, "SET NAMES 'utf8'");

// 建立等的 table
$ret = mysqli query($conn, $create table sql);

if(|Sret) {
    echo "Error: Unable to connect to MySQL." . *PHP EOL;
    echo "Debugging error: " . mysqli connect error() . *PHP EOL;
    echo "Debugging error: " . mysqli connect error() . *PHP EOL;
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    echo "Debugging error: " . mysqli connect error() . *PHP EOL;
    echo "Betror: Unable to connect error() . *PHP EOL;
    echo "Debugging error: " . mysqli connect error() . *PHP EOL;
    echo "Debugging error: " . *PHP EOL;
    echo "Debugging error:
```

```
<title>溫溼度紀錄</title>
    <a class="navbar-brand" href="/index.php">溫溼度紀錄系統</a>
             温度(°F)温度(°F)
```

三、影片連結

setup. php



index. php

溫溼度紀錄(DHT22)			
溫度(°C)	溫度(°F)	温度	時間
23.0	73.4	74.3	2022-05-25 15:24:29
22.9	73.22	75.4	2022-05-25 15:24:32
22.9	73.22	75.4	2022-05-25 15:24:34
22.9	73.22	75.4	2022-05-25 15:24:36
22.9	73.22	75.4	2022-05-25 15:24:38
22.9	73.22	75.3	2022-05-25 15:24:41
22.9	73.22	75.3	2022-05-25 15:24:43

YouTube 影片連結: https://youtu.be/1Z0jWWobunE