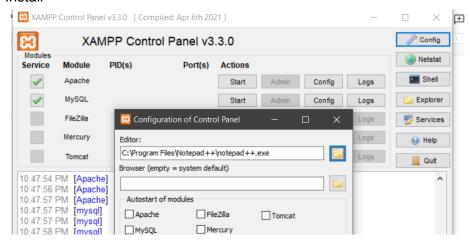
Install XAMPP

- https://www.apachefriends.org/index.html
- Install



Setup a webserver using XAMPP

- All the http servers are kept in xampp>htdocs
- Create a new folder and name it as per the website you want, make another folder inside, name it public, example: dev.smartirrigation.com/public
 - Make sure to put the html files, index.html has to be there.
- Then edit, C:\xampp\apache\conf\extra\httpd-vhosts.conf
 - Add at the bottom
 - <VirtualHost dev.smartirrigation.com:8080>
 - ServerName dev.smartirrigation.com
 - DocumentRoot

"C:\xampp\htdocs\dev.smartirrigation.com\public"

- <Directory "C:\xampp\htdocs\dev.smartirrigation.com\public">
- Require all granted
- AllowOverride All
- </Directory>
- </VirtualHost>
- Then edit, C:\Windows\System32\drivers\etc\hosts
 - Add at the bottom
 - 127.0.0.1 dev.smartirrigation.com
- Restart apache from the xampp control panel
- Open browser and enter the url

Creating database for sensor data

- Click on Xampp > MySQL > Admin
- phpMyAdmin will open in browser:



phpMyAdmi

Then create a table in the new database

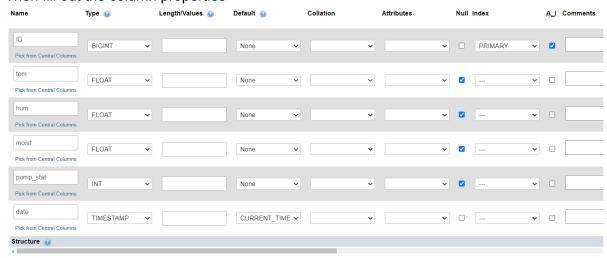


name it sensor_data

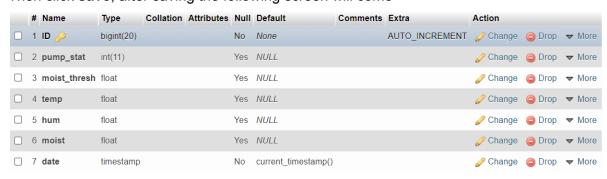
0

0

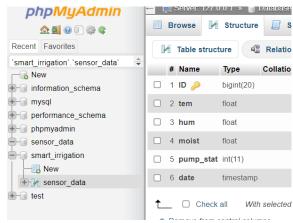
- Since we have Temperature, Humidity, moisture and pump status, moisture threshold we will need 1 column for each, ID then value. Also we'll add a time stamp in one column. So 7 columns.
- o Then fill out the column properties



Then click **save**, after saving the following screen will come



You will find the table under the smart_irrigation database > sensor_data > structures



Writing PHP for database

• Create a new php file or copy the needed php file into dev.smartirrigation.com/public folder.