

Assignment 1

Python-

Collecting Results:

The collection of results is defined by how each sensor is assigned in its ports. The data can then be collected by the known port entries in the raspberry pi. How it is shown when running is through the sensor results and the order of how it is posted by calling on each sensor through the get method. The result appears when they are called by Dweet.

Output of Results:

How the data is pulled to dweet.io is through a file in the same directory as python file but it is a text file, when the python runs it uses thing name which is in the text file to link to dweet.io. Once it has access to thing name, it will be connected to Dweet. Once this is linked, it will then use the data from all the definitions(def) in python file and upload the data.

Storage on Pi:

How data from the definitions is stored, is using sqlite3. Using the definition `getReadings()`: which is linked to other definitions. It will take there data and upload it to the created database.

Html

Receiving

The data collected by `getReadings()`: is inputted into your Html chart using dweet as it has thing name also to link them to each other. Then when the data has been transferred, it then separates the data as it has names linked to each definition in `getReadings`: that the chart also uses to call them individually. They each are using their own data and script to suit the sensor being displayed.

Storage

A JavaScript command is used to store the html in a local storage which has access to data of sensors when using Dweet. It inserts the data every time the loop restarts, new data is entered.