

Node.js

SQLite

Angular.js

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11 - 22 - 13

Node.js

- Installed Raspbian on 8GB memory card
- Installed Node.js using
 - <http://blog.rueedlinger.ch/2013/03/raspberry-pi-and-nodejs-basic-setup/>
- Followed Node.js tutorial
 - <http://www.nodebeginner.org/>

MongoDB

- Built and installed MongoDB
 - <http://mongopi.wordpress.com/2012/11/25/installation/>
- Created a test database. Seemed to work.
 - If not using desktop, run mongod in background
- Couldn't connect from Node.js

Database: SQLite

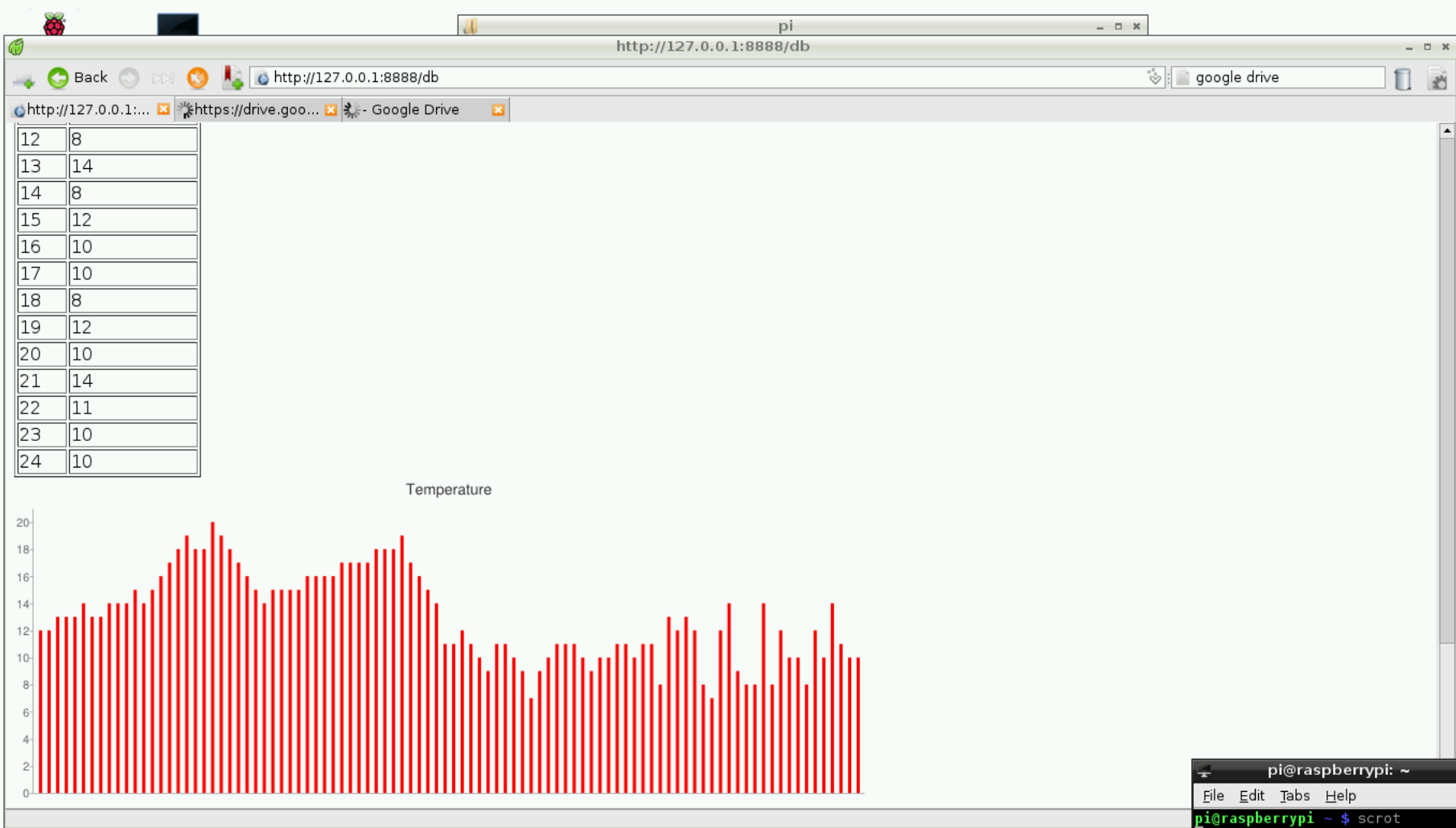
- Installed SQLite3
- Installed DBLite node module in the project directory.
 - <https://github.com/WebReflection/dblite/>
- Created table and populated it with .csv data
 - <http://zetcode.com/db/sqlite/>
 - Delete title line.
- Was able to display data in a table on website.

Google Charts API

- Downloaded and installed node module Quiche
- Simple to use

Time	Temperature
1	12
2	12
3	13
4	13
5	13
6	14
7	13
8	13
9	14
10	14
11	14
12	15
13	14
14	15
15	16
16	17
17	18
18	19
19	18
20	18
21	20
22	19
23	18
24	17

```
pi@raspberrypi: ~
File Edit Tabs Help
The following extra packages will be installed:
  glib1
The following NEW packages will be installed:
  glib1 scrot
0 upgraded, 2 newly installed, 0 to remove and 0 not upgraded.
Need to get 37.5 kB of archives.
After this operation, 148 kB of additional disk space will be used.
Do you want to continue [Y/n]? y
Get:1 http://mirrordirector.raspbian.org/raspbian/ wheezy/main glib1 armhf 1.2
.4-8 [19.0 kB]
Get:2 http://mirrordirector.raspbian.org/raspbian/ wheezy/main scrot armhf 0.8-1
3 [18.5 kB]
Fetched 37.5 kB in 1s (21.1 kB/s)
Selecting previously unselected package glib1:armhf.
(Reading database ... 76072 files and directories currently installed.)
Unpacking glib1:armhf (from .../glib1_1.2.4-8_armhf.deb) ...
Selecting previously unselected package scrot.
Unpacking scrot (from .../scrot_0.8-13_armhf.deb) ...
Processing triggers for man-db ...
Setting up glib1:armhf (1.2.4-8) ...
Setting up scrot (0.8-13) ...
pi@raspberrypi ~ $ scrot
pi@raspberrypi ~ $ scrot
pi@raspberrypi ~ $ scrot
```



```
pi@raspberrypi: ~  
File Edit Tabs Help  
pi@raspberrypi ~ $ scrot
```

Conclusions

- Node.js was difficult for me to understand
- A lot of difficulty connecting Node to anything else
- Tried using Ajax in an html page but kept getting errors
- Tried a server side sleep function
- I'll use Apache next time