

JSON Lab

Almost finished with the graph page. There's just one last thing. Remember that link about downloading the raw data? We're going to make that work now.

1. Open your graph page. Find where you are bringing up the hidden <div>. (Hint: it should be a 'contextmenu' event handler).
2. In that handler create a variable called jsonData.
3. Read the datapoints that you used to create your graph. Using the debugger, make sure they are in JSON format. (Hint: console.log()).
4. Either append each record to the jsonData string in JSON format via a loop or simply JSON.stringify() them.
5. Once you have a string with JSON data in it, you're going to put it in a data URI. Something like this will work:

```
var dataURI = "data:application/json," + jsonData;
```

6. Get a reference to your link using document.getElementById() or document.querySelector().
7. Set the link's href attribute to this dataURI.
8. Set the link's download attribute sort of like this:

```
theLink.download = "results.json";
```

This tells the browser to download a file called results.json instead of trying to navigate there.

9. Run and test. When you click on that link, you should see a file downloaded to your device with all the data. (Hint: look in your Downloads folder).
10. Open the results.json file in a text editor and make sure it contains all the data.
11. Examine the JSON data. Discuss with your partner what you see.

When you can see the file and understand its contents, you can be finished.