Week 3 - Exercises

Exercises

1. Work through **all** sections of the interactive PHP tutorial.
2. Create a page which accepts two GET parameters, `a` and `b`, and outputs the result when added. Your URL should look like `maths.php?a=4&b=2`
3. Update the page from the second exercise to accept a third parameter, `operation`. This should be a string of either "add", "subtract", "multiply", or "divide". Perform the operation requested, and if the submitted operation is not valid, output a messaging which tells the user which options are available. e.g.: `maths.php?a=4&b=2&operation=multiply`
4. Create an HTML form, using Bootstrap, which submits to the above page as a GET request. The operation should be a dropdown and `a` and `b` should be number inputs.
5. Instead of navigating to another page, display the output from the previous tasks on the same page using an AJAX request through Axios. Display the total in a readonly input field.
6. When submitting the above form, serialise the form's data and store it to a file. The files should be named as `{timestamp}.txt`, for example: `1597421675.txt` in the same directory as your `maths.php` script.
7. Display a zebra striped bootstrap table of "previous submissions", with 4 columns: timestamp, value of a, operation, value of b.
8. When clicking an item in the table, overwrite the values in the form and clear the total, so that the user has to submit the form again.

Useful Reading

- time - PHP documentation on getting the current timestamp
- fileputcontents - PHP documentation on writing content to a file from a string
- filegetcontents - PHP documentation on reading the contents of a file to a string

- [serialize](#) - PHP documentation on serialising data to a string
- [unserialize](#) - PHP documentation on unserialising data from a string