

Exercise 6.1 - The DOM

Setup

1. Create a new folder in your `420-426-Multimedia-and-Internet` repo called `6.1-The-DOM` using the `Finder`.
2. Copy the provided `index.html` and `main.js` files into this newly created folder.
3. Open this new folder inside `VS Code`.
4. Open `index.html` in Chrome.

As you complete each problem, make sure to **commit as you go!**. This will keep track of all your changes as you code. What you do **not** want to do is complete the exercise without committing, and do one giant commit at the end.

1. Table Creation

Inside of `main.js` you will find data about mountains in the following format:

```
1  const mountains = [  
2    {  
3      'name': 'Mount Everest',  
4      'elevation': 8848,  
5      'range': 'Himalayas',  
6      'location': 'Nepal/China'  
7    },  
8    /// ... more mountains ...  
9  ]
```

Using this data, populate the table in `index.html` with the appropriate information by creating DOM nodes and appending them to the proper places.

2. Filter

When a user enters a number in the `input` field and clicks the `button`, only display the mountains in the table that are larger than the given amount.

3. Additional Information

Using higher order JavaScript functions, display the **highest** mountain, **shortest** mountain, and **average** mountain height.