**Array Methods [class 3,4]**

There are a few thing; if you master them; every thing else becomes easy;

Those few things in Javascript are:

* using Arrays & Objects effectively
* this keyword
* prototypical inheritance

**Excellent notes / reference material:**

* <https://javascript.info/array>
* <https://javascript.info/array-methods>

**Video walkthrough of the above (Hinglish) - Optional**

| **1** | [**https://youtu.be/BHFjZfb8YSE**](https://youtu.be/BHFjZfb8YSE) |  |
| --- | --- | --- |
| 2 | <https://youtu.be/kDVkrZzqD68> |  |
| 3 | <https://youtu.be/Zo3EWQ2doWo> |  |
| 4 | <https://youtu.be/ksev29aZGJc> | contains array.sort() |
| 5 | <https://youtu.be/yfVf8YsYY4E> |  |

**Slides for Map(), Reduce() & Filter()**

[array functions copy.pptx](https://s3-us-west-2.amazonaws.com/secure.notion-static.com/a637c2b8-b959-47bf-8e18-49ecaffb6ba8/array_functions_copy.pptx)🡪it is there in folder

pre-recorded video: <https://www.youtube.com/watch?v=OmuOFZhRUi8>

**Reduce in depth**

<https://www.notion.so/vivmagarwal/Array-reduce-0c2fbfdebb2f407db7fcf4ec358f0aa5>

**Extra optional Practice Problems:**

*Not required to submit. Just for your practice*

1. <https://codepen.io/drupalastic/pen/qBKormz>
2. <https://codepen.io/drupalastic/pen/OJEvpgW>
3. <https://codepen.io/drupalastic/pen/QWxmpYx>
4. <https://codepen.io/drupalastic/pen/wvXmJqd>
5. <https://codepen.io/drupalastic/pen/VwdXpVa>
6. <https://codepen.io/drupalastic/pen/zYaWyGa>
7. <https://codepen.io/drupalastic/pen/xxzWmPe>
8. <https://codepen.io/drupalastic/pen/oNyqmLL>
9. <https://codepen.io/drupalastic/pen/BaPNjqx>
10. <https://codepen.io/drupalastic/pen/VwBLeVp>
11. <https://codepen.io/drupalastic/pen/GRBJozy>

**Evaluation 1 guidelines**

* Will contain two problems [5 marks each]
* first, will be a function that returns an object with several properties & methods
* second, you will be provided some arrays and objects are you will be required to give the data a different shape.