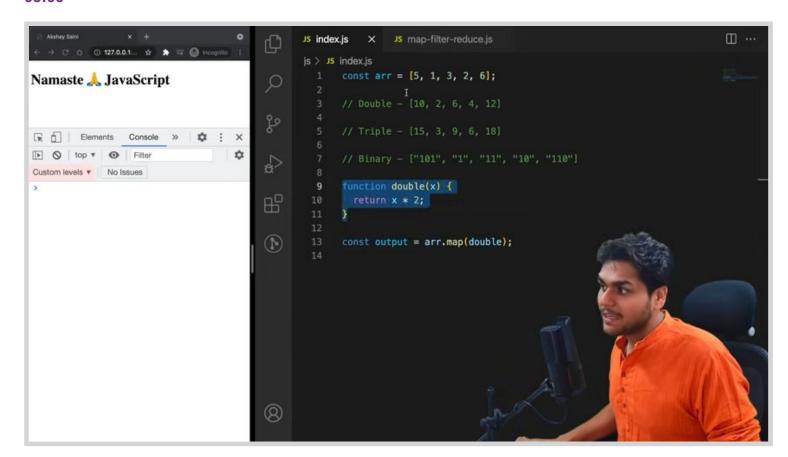
Map, filter, Reduce are higher order functions in JS

MAP is used to transform an array to get get another array.

• arr.ma() - we need to pass a function inside this - the function contains the transformation logic

## 03:00



## 03:16

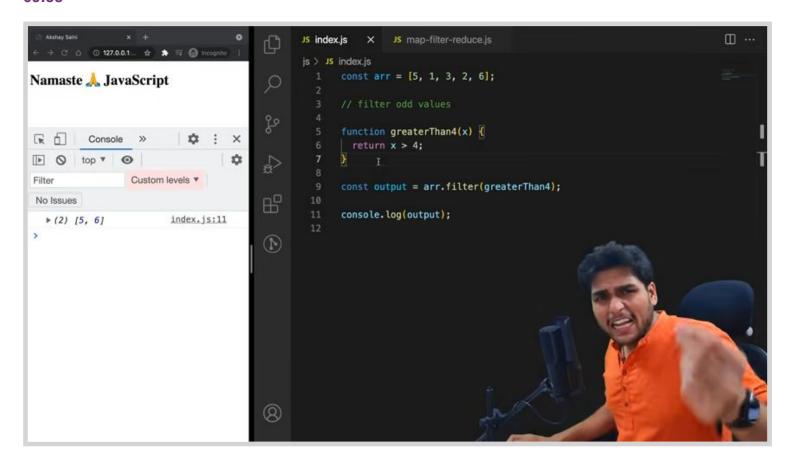
```
JS index.js
                                                                  JS map-filter-reduce.js

→ C Δ ① 127.0.0.1... ☆ ★ ➡ ☐ ⑥ Incognito
                                                  is > JS index.is
                                                         const arr = [5, 1, 3, 2, 6];
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Elements
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                                                         function double(x) {
  ▶ (5) [10, 2, 6, 4, 12]
                           index.js:15
                                           品
                                                          return x * 2;
                                                         const output = arr.map(double);
```



filter funtion is actually used to filter the values of an array

09:58



## 17:46

```
| is > JS index.js |
| const arr = [5, 1, 3, 2, 6];
| const arr = [5, 1, 3, 2, 6];
| const arr = [5, 1, 3, 2, 6];
| const arr = [5, 1, 3, 2, 6];
| const arr = [5, 1, 3, 2, 6];
| const arr = [5, 1, 3, 2, 6];
| const arr = [5, 1, 3, 2, 6];
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| const arr = [5, 1, 3, 2, 6];
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| const arr = [5, 1, 3, 2, 6];
| const arr = [5, 1, 3, 2, 6];
| co
```

```
const output = arr.reduce(function (acc, curr) {
    acc = acc + curr;
    return acc;
    });

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```

## 22:49

