

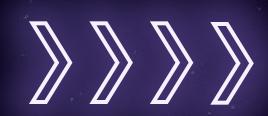
Master JavaScript: 8 Pro Tricks



VS

NOOB LVL





1 Removing duplicates

```
noobs.js
let array = [100, 23, 23, 23, 23, 67, 45];
let outputArray = [];
let flag = false;
for (j = 0; < array.length; j++) {
    for (k = 0; k < outputArray.length; k++) {
        if (array[j] == outputArray[k]) {
            flag = true;
            }
        if (flag == false) {
            outputArray.push(array[j]);
        }
        flag = false;
}
//outputArray = [100, 23, 67, 45]</pre>
```

PRO N

```
pro.js

let array = [100, 23, 23, 23, 23, 67, 45];

let outputArray = Array.from(new Set(array));

//outputArray = [100, 23, 67, 45]
```

2 Dynamic properties in objects

pro.js

```
let dynamic = "value";
let user = {
   id: 1,
   [dynamic] = "other value"
```

};

NOOB IVE

```
let hungry = true;
let eat;
if (hungry == true) {
        eat = 'yes';
} else {
        eat = 'no';
}
```

```
PRO IN
```

```
let hungry = true;
let eat = hungry == true ? 'yes' : 'no';
```





4 Object to Array

```
let number = {
   one: 1,
   two: 2,
};
let keys = [];
for (let numbers in numbers) {
   if (number.hasOwnProperty(number)) {
     keys.push(number);
   }
}
// key = [ 'one', 'two']
```

```
let number = {
  one: 1,
  two: 2,
};
let key = Object.keys(numbers); // key = [ 'one', 'two' ]
let value = Object.values(numbers); // value = [ 1, 2 ]
let entry = Object.entries(numbers); // entry = [['one' : 1], ['two' : 2]]
```

```
let arr = ["value1", "value2", "value3"];
let arrObject = {};
for (let i = 0; i < arr.length; ++i) {
   if (arr[i] !== undefined) {
      arrObject[i] = arr[i];
   }
}</pre>
```

```
PRO IN
```

```
pro.js
let arr = ["value1", "value2", "value3"];
let arr0bject = {...arr};
```



6 Short circuit conditionals

```
NOOB
```

```
if (docs) {
   goToDocs();
}
```

```
PRO M
```

```
docs && goToDocs()
```

7 Populating an array

```
noobs.js

for(let i=0; i < arraySize; i++){
   filledArray[i] {'hello': 'goodbye'};
}</pre>
```

```
PRO
IAT
```

```
pro.js

let filledArray = new Array(arraysize).fill(null).map(()=>
({'hello': 'goodbye'}));
```

```
noobs.js

let num = 15;

let s = num.toString(); // number to string
let n = Number(s); // string to number
```

```
let num = 15;
let s = num + ""; // number to string
let n = +s; // string to number
```



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