Tips &Tricks

Array

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JS

Unique elements from array

```javascript
let arr = [1, 1, 2, 2, 3, 3];
let result = [...new Set(arr)];
// [1, 2, 3]
```

Array Union

```javascript
let arr1 = [1, 2, 3];
let arr2 = [3, 4, 5];
let result = [...new Set([...arr1, ...arr2])];
// [1, 2, 3, 4, 5]
```

Array Intersection

```javascript
let arr1 = [1, 2, 3];
let arr2 = [3, 4, 5];
let result = arr1.filter((e) => arr2.includes(e));
// [3]
```

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JS

Random Array Element

```javascript
let arr = ["Navin", "Pravin", "Sud"];
let randomIndex = Math.round(Math.random() * 100)
                                   % arr.length;
console.log(arr[randomIndex]);
```

Create & Fill Array

```javascript
let arr = new Array(3).fill("*");
console.log(arr); // ['*', '*', '*']
```

Array to Object

```javascript
let arr = ["Navin", "Pravin"];
let ob = {...arr};
console.log(ob); // { 0: 'Navin', 1: "Pravin" }
```

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JS

Merging 2 array

```javascript
let arr1 = [1, 2];
let arr2 = [3, 4];
let result = [...arr1, ...arr2]
// [1, 2, 3, 4]
```

Sum of array elements

```javascript
let arr = [1, 2, 3];
let result = arr.reduce((x, y) => x + y);
// 6
```

JS

Checking is array

```javascript
let arr = ["Navin", "Pravin", "Sud"];
let a = 10;
console.log(Array.isArray(arr)); // true
console.log(Array.isArray(a));   // false
```

Deep flat array

```javascript
function deepFlat(arr) {
  let a = [];
  arr.forEach((el) => {
    Array.isArray(el)
      ? (a = a.concat(...deepFlat(el)))
      : a.push(el);
  });
  return a;
}

let result = deepFlat([1, [2, [3, [4, [5]]]]]);
//  [1, 2, 3, 4, 5]
```

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JS

Thank you

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