

7 ES6 code snippets to
save time

1. Find the max or min value in the array

```
const array = [6,2,56,83,-34,75];  
  
console.log("Max val is", Math.max(...array)); // Max val is 83  
console.log("Min val is", Math.min(...array)); // Min val is -34
```

2. Find the Sum of numbers in the array

```
const array = [6,2,56,83,-34,75];  
  
const sum = array.reduce((sum, num)=> sum+num);  
  
console.log("Total Sum is", sum); // Total Sum is 188
```

3. Get a random value from an array

```
const array = ['vish', 'vishwa', 10, 'hello', 'javascript'];

const getRandomValue = (array) => {
  return array[ Math.floor(Math.random() * array.length) ]
}

console.log(getRandomValue(array)) // vishwa
console.log(getRandomValue(array)) // vish
console.log(getRandomValue(array)) // 10
```

4.Shuffle the values of an array randomly

```
const prizes = [ '5$', '10$', '15$', '20$' ]
prizes.sort(() => 0.5 - Math.random())
console.log(prizes) // [ '15$', '20$', '10$', '5$' ]
prizes.sort(() => 0.5 - Math.random())
console.log(prizes) // [ '10$', '15$', '5$', '20$' ]
```

5. Flatten multi-layer arrays

```
const array = [ 1, [ 2, [ 3, [ 4, [ 5 ] ] ] ] ]  
console.log(array.flat(Infinity)) // [1, 2, 3, 4, 5]
```

6. Check if the array contains a value

```
const array = [ 'hello', 'vish', 'world', 11 ]  
console.log(array.indexOf('vish')) // 0  
console.log(array.indexOf('javascript')) // -1
```

using findIndex method for array of objects

```
const array = [  
  {  
    name: 'hello'  
  },  
  {  
    name: 'world'  
  },  
  {  
    name: 'vish'  
  },  
]  
const index = array.findIndex((item) => item.name === 'vish')  
console.log(index) // 2
```

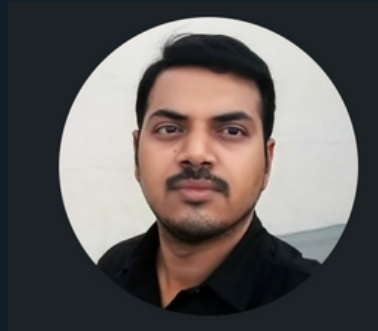
7. Use “includes” method to check specific value and run next code

If below code pattern is followed then it becomes very cumbersome to check for each value using OR operator.

```
const value = 'vish'
if (value === 'vish' || value === 'hello' || value === 'world') {
  console.log('hello world') // hello world
}
```

Instead includes method can be used to find specific value and then next part code can be executed.

```
const conditions = [ 'vish', 'hello', 'world' ]
const value = 'vish'
if (conditions.includes(value)) {
  console.log('hello world') // hello world
}
```

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