BUILT-IN FUNCTIONS

ES6 provides a list of pre-defined functions that makes your job easy. They are extremely beneficial and helpful when working with React.js.

```javascript
1 [1,2,3,4].map(x ⇒ x * 2); // [2,4,6,8]
2 [1,2,3,4].reverse(); // [4,3,2,1]
3 [2,4,6,12].find(x ⇒ x > 5); // 6
4 [2,4,6,12].filter(x ⇒ x > 5); // [6, 12]
```

Arsalan Khattak
@khattakdev

Swipe

"THIS" KEYWORD

One of the most confusing, yet a very useful concept of JavaScript. It's used quite often in React.js. Therefore, understanding how it works is worth it.

```javascript
1 const obj = {
2    name: "Arsalan",
3    showName: function() { return this.name;}
  }
4
5 console.log(obj.showName()); // "Arsalan"
```

Arsalan Khattak
@khattakdev

REST OPERATOR

The rest parameter syntax allows a function to accept infinite number of arguments as an array.

```javascript
1 function sum( ... args) {
2   let total = 0;
3   for (const arg of args) {
4     total += arg;
5   }
6   return total;
7 }
8
9 sum(1,1) // 2
10 sum(1,2,3); // 6
11 sum(2,4,6,8,10); // 30
```

Arsalan Khattak
@khattakdev

Swipe

DESTRUCTURING

The destructing assignment allows you to unpack values from arrays or objects.

```
1 obj = { name: "KhattakDev", ... }
2 { name } = obj; // name = "KhattakDev"
3 { name: n1 } = obj; // n1 =
  "KhattakDev"
4 { age= 23 } = obj; // age= 23 (if age
  doesn't exist in obj)
5 { name, ... rest} = obj; // rest will
  store the rest of the obj properties
```

Arsalan Khattak
@khattakdev

Swipe 👆

NPM

NPM stands for node package manager, which is a default JavaScript's package manager.
It consists of a tons of libraries and packages called the npm registry and a command line client, called npm.

```
1 npm init // Initialize Npm Package
2 npm install <package-name> // Install a
  Package
```

END NOTE

These are some of the prerequisites but that's not it.
The more you learn the fundamental concepts, the
better developer you will be and can debug the
problems significantly fast.

Arsalan Khattak
@khattakdev