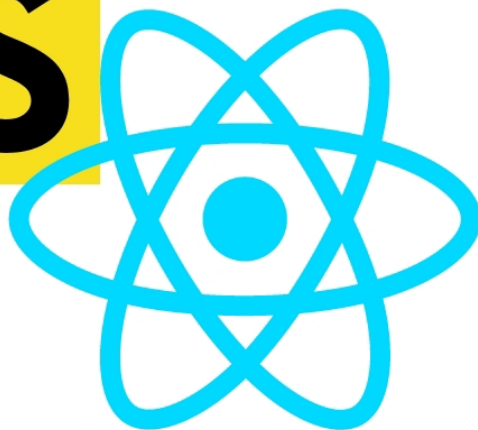


# JAVASCRIPT

For

## ReactJs

JS



BY

Ashfiquzzaman Sajal

# CONTEXT

- Arrow Functions
- .Map() Method
- Destructuring
- Spread Operator
- Ternary Operator
- Modules



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# ARROW FUNCTIONS

ARROW FUNCTIONS ALLOW US TO WRITE SHORTER  
FUNCTION SYNTAX



arrowFunction.jsx

```
1 // Before ES6
2 function hello() {
3   return "Hello World!";
4 }
5
6 // With arrow function
7 const hello = () => {
8   return "Hello World!";
9 }
```



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# .MAP() METHOD

THE .MAP() METHOD ALLOWS YOU TO RUN A FUNCTION ON EACH ITEM IN THE ARRAY, RETURNING A NEW ARRAY AS THE RESULT.

IN REACT, MAP() CAN BE USED TO GENERATE LISTS.

 mapArrayMethod.jsx

```
1  const myArray = ['apple', 'banana', 'orange'];
2
3  const myList = myArray.map((item) => <p>{item}</p>)
4  // Output <p>apple</p> <p>banana</p> <p>orange</p>
```

 mapObjectMethod.jsx

```
1  const myObject = { 'a': 1, 'b': 2, 'c': 3 };
2
3  Object.keys(myObject).map((key, index) => {
4    myObject[key] *= 2;
5    //here index is value
6  });
7
8  console.log(myObject);
9  // => { 'a': 2, 'b': 4, 'c': 6 }
```

# DESTRUCTURING

DESTRUCTURING MAKES IT EASY TO EXTRACT ONLY WHAT IS NEEDED. HERE IS EXAMPLE OF BOTH ARRAY AND OBJECT.



destructuringArray.jsx

```
1  const vehicles = ['mustang', 'f-150', 'expedition'];
2
3  // old way
4  const car = vehicles[0];
5  const truck = vehicles[1];
6  const suv = vehicles[2];
7
8  // With Destructuring
9  const [car, truck, suv] = vehicles;
```



destructuringObject.jsx

```
1  const vehicleOne = {
2    brand: 'Ford',
3    model: 'Mustang',
4    type: 'car',
5    year: 2021,
6    color: 'red'
7  }
8
9  myVehicle(vehicleOne);
10
11 // old way
12 function myVehicle(vehicle) {
13   const message = 'My ' + vehicle.type + ' is a ' + vehicle.color + ' ' + vehicle.brand + ' ' + vehicle.model + '.';
14 }
15
16 // With Destructuring
17 const myVehicle = ({type, color, brand, model}) => {
18   const message = 'My ' + type + ' is a ' + color + ' ' + brand + ' ' + model + '.';
19 }
```

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# SPREAD OPERATOR

THE JAVASCRIPT SPREAD OPERATOR (...) ALLOWS US TO QUICKLY COPY ALL OR PART OF AN EXISTING ARRAY OR OBJECT INTO ANOTHER ARRAY OR OBJECT.

 spreadOperator.jsx

```
1 //Spread Operator with Array
2 const numbers = [1, 2, 3, 4, 5, 6];
3 const [one, two, ...rest] = numbers;
4
5 console.log(rest) // [3,4,5,6]
6 console.log(one) // 1
7
8 //Spread Operator with Object
9 const myVehicle = {
10   brand: 'Ford',
11   model: 'Mustang',
12   color: 'red'
13 }
14
15 const updateMyVehicle = {
16   type: 'car',
17   year: 2021,
18   color: 'yellow'
19 }
20
21 const myUpdatedVehicle = { ...myVehicle, ...updateMyVehicle }
22
23 console.log(myUpdatedVehicle.brand) // Ford
```

# TERNARY OPERATOR

THE TERNARY OPERATOR IS A SIMPLIFIED CONDITIONAL OPERATOR LIKE IF / ELSE.



ternaryOperator.jsx

```
1 //Before
2 if (authenticated) {
3   renderApp();
4 } else {
5   renderLogin();
6 }
7
8 // With Ternary Operator
9 authenticated ? renderApp() : renderLogin();
```



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# MODULES

JAVASCRIPT MODULES ALLOW YOU TO BREAK UP YOUR CODE INTO SEPARATE FILES. ES MODULES RELY ON THE IMPORT AND EXPORT STATEMENTS.

 person.jsx

```
1  const name = "Jesse"
2  const age = 40
3
4  export { name, age }
```

 anotherFile.jsx

```
1  import { name, age } from "./person.js";
2
3  console.log(name) // Jesse
```



# MODULES (DEFAULT EXPORT/IMPORT)

JAVASCRIPT MODULES ALLOW YOU TO BREAK UP YOUR CODE INTO SEPARATE FILES. ES MODULES RELY ON THE IMPORT AND EXPORT STATEMENTS.



message.jsx

```
1  const message = () => {  
2    const name = "Jesse";  
3    const age = 40;  
4    return name + ' is ' + age + 'years old.';  
5  };  
6  
7  export default message;
```

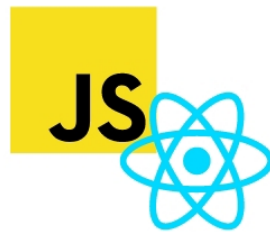


anotherFile.jsx

```
1  import message from "./message.js";  
2  // as it was "default export", you don't  
3  // have to use {} to import the function  
4  
5  console.log(message) // Jesse is 40 years old.  
6
```

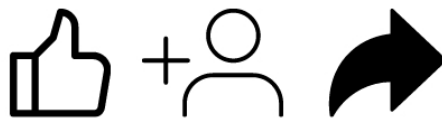
# THANK YOU

JAVASCRIPT  
For  
ReactJs



WOULD YOU SUPPORT ME?  
NOTHING, JUST LIKE AND FOLLOW

ASHFIQUZZAMAN SAJAL



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