React Map

A map is a data collection type where data is stored in the form of pairs. It contains a unique key. The value stored in the map must be mapped to the key. We cannot store a duplicate pair in the map(). It is because of the uniqueness of each stored key. It is mainly used for fast searching and looking up data.

A map is not the feature of React. Instead, it is the standard JavaScript function that could be called on any array. The map() method creates a new array by calling a provided function on every element in the calling array.

function NameList() {

const myLists = ['ES5', 'ES6', 'Typescript', 'React'];

const listItems = myLists.map((myList) => <li>{myList}</li> );

return (

<div>

<h2>React Map Example</h2>

<ul>{listItems}</ul>

</div>

);

}

function NumberList(props) {

const numbers = [123, 212, 233, 344, 325];

const listItems = numbers.map((number) => <li key={number}> {number\*number}</li> );

return (

<div>

<h2>React Map Example</h2>

<ul> {listItems} </ul>

</div>

);

}

function ProductList(props) {

const product = [

{ id: 101, title: 'Pen', price: '99.00' },

{ id: 102, title: 'Bag', price: '99.00' },

{ id: 103, title: 'Book', price: '99.00' },

];

const productitems=product.map(p => <h3> {p.id} : { p.title} : {p.price} </h3> );

return (

<div>

{productitems}

</div>

);}}