let arr = [[1, 2, 3, 4], 2, 5, 8, 10, 45, 40, 18];

let obj = {

a: 10,

b: 20,

c: 30,

d: 40,

e: 50

}

let deepCopy = Array.from(arr);

let spreadCopy = [...arr];

let shallowCopy = arr.slice(0, 4);

console.log(shallowCopy);

arr[0][0] = 10;

console.log(arr)

console.log(shallowCopy);

console.log(deepCopy);

console.log(spreadCopy);

2.

<https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Operators/Spread_syntax>

Note that [Object.assign()](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object/assign) triggers [setters](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Functions/set), whereas spread syntax doesn't.

Note that you cannot replace or mimic the [Object.assign()](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object/assign) function:

What does the above statement mean?

3. How to iterate objects using map(), reduce(), assign() ?

Source <https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Operators/Spread_syntax>

Only for iterables section.

4. React video no 215

asyncComponent.js

import React, { Component } from 'react';

const asyncComponent = (importComponent) => {

return class extends Component {

state = {

component: null

}

componentDidMount() {

importComponent()

.then(cmp => {

this.setState({ component: cmp.default })

});

}

render() {

const C = this.state.component;

return C ? <C {...this.props} /> : null;

}

}

}

export default asyncComponent;

Doubt is that in the above file importComponent gets executed in the componentDidMount method where will the return value of importComponent function is stored of the componentDidMount block.

Blog.js

import React, { Component } from 'react';

import { Route, NavLink, Switch, Redirect } from 'react-router-dom';

import './Blog.css';

import Posts from './Posts/Posts';

import asyncComponent from '../../hoc/asyncComponent';

// import NewPost from './NewPost/NewPost';

const AsyncNewPost = asyncComponent(() => {

return import('./NewPost/NewPost');

});

class Blog extends Component {

state = {

authenticated: false

}

render() {

return (

<div className="Blog">

<header>

<nav>

<ul>

<li><NavLink to='/posts'

exact

activeClassName='my-active'

activeStyle={{

color: '#fa923f',

textDecoration: 'underline'

}}>Posts</NavLink></li>

<li><NavLink to={{

pathname: '/new-post',

hash: '#submit',

search: '?quick-submit=true'

}}>New Post</NavLink></li>

</ul>

</nav>

</header>

{/\* <Route path='/' exact render={()=><h1>Home</h1>}/>

<Route path='/' render={()=>

<div>

<h1>Home</h1>

<p>Some content</p>

</div>}/> \*/}

<Switch>

{this.state.authenticated ? <Route path='/new-post' component={AsyncNewPost} /> : null}

<Route path='/posts' exact component={Posts} />

<Route render={() => <h1> Not Found</h1>} />

{/\* <Redirect from='/' to='/posts' /> \*/}

</Switch>

</div>

);

}

}

export default Blog;

Doubt : React 216

What is the difference between client side rendering and server side rendering ? React Suspence which is lazy loading concept is used for only client side rendering.

Video 217: what does the video convey.

In React Projects course video 10. NPM Basics What is the differences between when installing a dependency globally and locally ?

To Do’s

Later need to know below topics

Difference between let and var keywords and their scopes.

Once again develop the burger project if time permits.

Different methods of Console object.

Let you know how to generate a random number.

Array methods:

Array.shift

Array.slice

Array.unshift

Array.pop

New React project course:

What is the function of npm build script which is mentioned in the video no: 13 time lapse 5:20

Video 30. How do we access the event.target if the function has input arguments as shown in the video.