

Handling State

Accessing arrays

Lets say we have an array

```
const animals = ["giraffe", "zebra", "bear"];  
console.log(animals[0]);
```

React Hooks

```
const what = useState();
```

Lift state up in React, we want to be high up in the tree as possible. Lift the state to the parent app component and pass it down to the child component via props, while providing a callback function to update the state.

Here we are lifting setStatus and status to function Main

```
<Main dishes={dishObjects} openStatus={status} onStatus = {setStatus}/>
```

```
useReducer()
```

```
const [status, dispatch] = useReducer((status), true)  
const [status, dispatch] = useReducer((status) => !status, true);  
whenever we call userReducer(), it is going to return an array of two items
```

instead of useState(), useReducer() is doing the toggler functionality

```
const [status, toggle] = useReducer(  
  (status) => !status,  
  true  
);
```

we just pass in the function without worrying about the logic built into the function

useEffect() → manages side effects that are not related to a component's render

Things like console messages, loading data, working with animations, can benefit from useEffect() hook

ctrl + alt + j for the console window

by default, useEffect() runs whenever the state value changes

```
useEffect(() => {  
  console.log(`The restaurant is ${status ? "open" : "closed"}`);  
}, []);
```

Empty dependency array [] means, call this function only when the App first renders not after that whenever the state changes. [status] this will make the function to execute whenever 'status' value changes. useEffect() takes in a callback function and dependency array.

The restaurant is currently Closed

Open Restaurant

Alex's kitchen

Copyright 2026

We serve the most delicious food around

I want to be open

Welcome to this beautiful restaurant! It is closed.



- Macoroni and cheese
- Salmon with potatoes
- Tofu with rice and vegetables

```
▶ (3) [{"-"}, {"-"}, {"-"}]
The restaurant is open
The restaurant is closed
The restaurant is open
The restaurant is closed
> [ctrl][i] to turn on code su
```