

Higher Order Functions in React

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React.Js

- One of the most popular javascript libraries for building user interfaces

Using React

```
import React from 'react';

function FruitList() {
  const fruits = ['Apple', 'Banana', 'Cherry'];

  return (
    <div>
      <h2>Fruit List</h2>
      <ul>
        {fruits.map((fruit, index) => (
          <li key={index}>{fruit}</li>
        ))}
      </ul>
    </div>
  );
}

export default FruitList;
```

Higher Order function

Higher-Order Component that logs props passed to a component

```
0
1
2  import React from 'react';
3
4  // Higher-Order Component (HOC)
5  function withLogger(WrappedComponent) {
6    return function EnhancedComponent(props) {
7      console.log('Props:', props);
8      return <WrappedComponent {...props} />;
9    };
10 }
```

```
1 // Example Component
2
3 function Message(props) {
4   return <h2>{props.text}</h2>;
5 }
6
7 // Wrapped Component using HOC
8 const LoggedMessage = withLogger(Message);
9
10 function App() {
11   return <LoggedMessage text="Hello, React!" />;
12 }
13
14 export default App;
```

Thank you!