

## State

```
class CountClicks extends React.Component {
  state = {
    clicks: 0
  }

  onClick = () => {
    this.setState(prevState => ({
      clicks: prevState.clicks + 1
    }))
  }

  render() {
    return (
      <div>
        <button
          onClick={this.onClick}>
            Click me
          </button>
        <span>
          The button clicked
            {this.state.clicks} times.
        </span>
      </div>
    )
  }
}
```

## react-redux provider

```
import React from 'react'
import { render } from 'react-dom'
import { Provider } from 'react-redux'
import { createStore } from 'redux'
import todoApp from './reducers'
import App from './components/App'

const store = createStore(todoApp)

render(
  <Provider store={store}>
    <App />
  </Provider>,
  document.getElementById('root')
)
```

## useState hook

```
import React, { useState } from 'react'
```

## React Router

```
import {
  BrowserRouter,
  Route
} from 'react-router-dom'

const Hello = () => <h1>Hello world!</h1>

const App = () => (
  <BrowserRouter>
    <div>
      <Route path="/hello"
        component={Hello}/>
    </div>
  </BrowserRouter>
)

// open: http://localhost:3000/hello
```

## react-redux connect

```
import { connect } from 'react-redux'

YourComponent = connect(
  mapStateToProps,
  mapDispatchToProps
)(YourComponent)

export default YourComponent
```

## Ref

```
class AutoFocusTextInput extends
  React.Component {
```