

JOBSHEET 3

Omar Al-Maktary
TI-3H 1941720237


EXPERIMENT:

a. Creating Stateless & Stateful Component:

Make a function and render it in React DOM:

```
Week-3 > react-practice-component > src > index.js > HelloComponent
1  import React from "react";
2  import ReactDOM from "react-dom";
3  import "./index.css";
4  import App from "../App";
5  import reportWebVitals from "../reportWebVitals";
6
7  function HelloComponent() {
8    return <p className="paragraph">Hello Component! this is me Omar!</p>;
9  }
10 ReactDOM.render(
11   <>
12     <HelloComponent />
13     <React.StrictMode>
14       <App />
15     </React.StrictMode>
16   </>,
17   document.getElementById("root")
18 );
```

Hello Component! this is me Omar!



Edit src/App.js and save to reload.


[Learn React](#)

Make a class component and render it in React DOM:

```
10 class StateFullComponent extends React.Component {
11   render() {
12     return (
13       <p className="paragraph">StateFullComponent! Hello, this is me, Omar!</p>
14     );
15   }
16 }
17 ReactDOM.render(
18   <>
19     <HelloComponent />
20     <StateFullComponent />
21     <React.StrictMode>
22       <App />
23     </React.StrictMode>
24   </>,
25   document.getElementById("root")
26 );
```

Hello Component! this is me, Omar!

StateFullComponent! Hello, this is me, Omar!



Edit src/App.js and save to reload.

[Learn React](#)

b. Create Props:

```
17 ReactDOM.render(  
18   <React.StrictMode>  
19     <App />  
20   </React.StrictMode>,  
21   document.getElementById("root")  
22 );  
  
Week-3 > react-practice-component > src > App.js > ...  
1 import React, { Component } from "react";  
2 import Header from "../components/Header";  
3 import Footer from "../components/Footer";  
4 import List from "../components/List";  
5 class App extends Component {  
6   render() {  
7     return (  
8       <div>  
9         <Header />  
10        <h1>Component from Class App</h1>  
11        <List />  
12        <Footer title="Footer Page" name="JTI" />  
13      </div>  
14    );  
15  }  
16 }  
17 export default App;
```

c. Displaying Props:

```
Week-3 > react-practice-component > src > components > Header.js > Header > render  
1 import React, { Component } from "react";  
2 class Header extends Component {  
3   render() {  
4     return (  
5       <div>  
6         <h2 className="paragraph">Component from Class Header</h2>  
7       </div>  
8     );  
9   }  
10 }  
11 export default Header;  
  
Week-3 > react-practice-component > src > components > Footer.js > Footer  
1 import React from "react"; // Component using Function  
2 const Footer = (props) => {  
3   return (  
4     <div>  
5       <h3 className="paragraph">Footer Page</h3>  
6       <h3>This component is created using Function not Class</h3>  
7       <p>This value is returned from props: {props.title}</p>  
8       <p>My name is {props.name}</p>  
9     </div>  
10    );  
11  };  
12 export default Footer;
```

d. Props on Class Component:

```
Week-3 > react-practice-component > src > components > List.js > List > render  
1 import React, { Component } from "react";  
2 import Image from "../Image"; // Class Component List  
3 class List extends Component {  
4   render() {  
5     return (  
6       <div>  
7         <ol>  
8           <li>  
9             One  
10            <Image LinkImg="https://s3-ap-southeast-1.amazonaws.com/niomic/img/sample/food1.jpg" />  
11            </li>  
12            <li>  
13              Two  
14              <Image LinkImg="https://s3-ap-southeast-1.amazonaws.com/niomic/img/sample/nasipada" />  
15            </li>  
16            <li>  
17              Three  
18              <Image LinkImg="https://s3-ap-southeast-1.amazonaws.com/niomic/img/sample/sate.png" />  
19            </li>  
20            <li>  
21              Four  
22              <Image LinkImg="https://s3-ap-southeast-1.amazonaws.com/niomic/img/sample/sotoLamoi" />  
23            </li>  
24          </ol>  
25        </div>  
26      );  
27    }  
28  }  
29 export default List;
```

```

Week-3 > react-practice-component > src > components > Image.js > Image
1  import React, { Component } from "react";
2  // Class Component Image
3  class Image extends Component {
4    render() {
5      return <img src={this.props.linkImg} alt="Food" width="500" />;
6    }
7  }
8  export default Image;

```

Results:

Component from Class Header

Component from Class App



Footer Page

This component is created using Function not Class

This value is returned from props: Footer Page

My name is JTI

e. Lifecycle Component:

```

Week-3 > react-practice-component > src > components > HelloComponent.js > ...
1  import React from "react";
2  import "../HelloComponent.css";
3  const HelloComponent = () => {
4    return (
5      <p className="text-p">
6        Hello Component! this is an arrow function with crimson color!
7      </p>
8    );
9  };
10 export default HelloComponent;
11

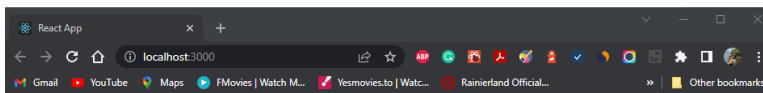
```

```

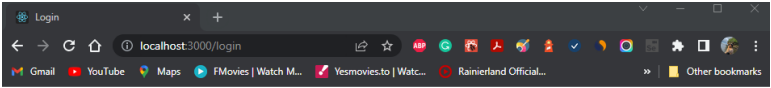
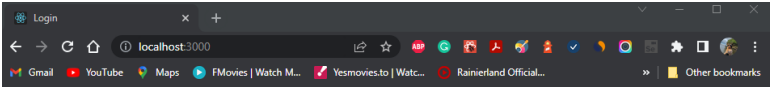
Week-3 > react-practice-component > src > components > HelloComponent.css > .text-p
1  .text-p {
2    color: #dc143c;
3    text-align: center;
4  }
5

```

Results:



ASSIGNMENT



Login Form

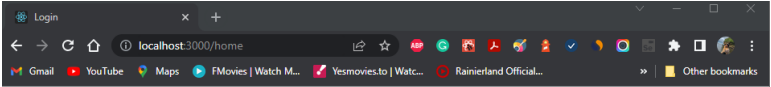
Input your Username

Input your password

☐ Remember me!

Login

Cancel



Yes! you have logged In

Logout