

FRAMEWORK BASED PROGRAMMING

ReactJS Component



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STATE POLYTECHNIC OF MALANG

2021

1. Experiment

a) Creating Stateless and Staful Component

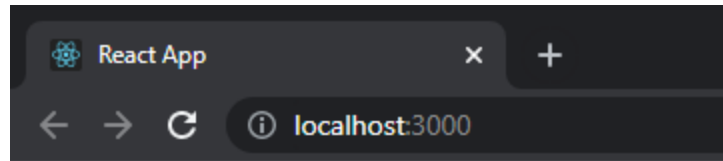
```
JS index.js  X
src > JS index.js > HelloComponent
1  import React from 'react';
2  import ReactDOM from 'react-dom';
3  import './index.css';
4  import App from './App';
5  import reportWebVitals from './reportWebVitals';
6
7  function HelloComponent(){
8    return <p>Hello Component</p>
9  }
```

React App

localhost:3000

Hello Component

```
JS index.js  X
src > JS 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  const HelloComponent= ()=>{
8    return HelloComponent
9  }
10
11  class StatefullComponent extends React.Component {
12    render(){
13      return <p>Statefull Component</p>;
14    }
15  }
16
17  ReactDOM.render(<StatefullComponent/>, document.getElementById("root"));
```



Statefull Component

b) Creating props

```
JS App.js  X
src > JS App.js > ...
1  import React, { Component } from 'react';
2  import Header from './Header';
3  import Footer from './Footer';
4  import List from './List';
5
6  class App extends Component {
7    render() {
8      return (
9        <div>
10         <Header/>
11         <h1>Component from Class App</h1>
12         <List/>
13         <Footer title ='Footer Page' name = 'JTI' />
14       </div>
15     );
16   }
17 }
18
19 export default App;
20
```

c) Displaying props

```
src > JS Header.js > ...
1  import React, {Component} from "react";
2
3  class Header extends Component {
4    render() {
5      return (
6        <div>
7          <h2>Component from Class Header</h2>
8        </div>
9      );
10   }
11 }
12 export default Header;
```

src > JS Footer.js > [🔗] default

```
1  import React from "react";
2
3  const Footer=(props) => {
4    return (
5      <div>
6        <h3>Footer Page</h3>
7        <h3>This component is created using Function not Class</h3>
8        <p>This value is returned from props: {props.title} </p>
9        <p>My name is {props.name} </p>
10     </div>
11   );
12 };
13 export default Footer;
```

d) Props on class component

src > JS List.js > [🔗] List > [🔗] render

```
1  import React,{Component} from "react";
2  import Image from "../Image";
3
4  class List extends Component {
5    render() {
6      return (
7        <div>
8          <ol>
9            <li>
10              One
11              <br></br>
12              <Image linkImg="https://www.linkpicture.com/q/martabak-malabar_1.jpg" />
13            </li>
14            <li>
15              Two
16              <br></br>
17              <Image linkImg="https://www.linkpicture.com/q/nasi-goreng-cakalang_1.jpg" />
18            </li>
19            <li>
20              Three
21              <br></br>
22              <Image linkImg="https://www.linkpicture.com/q/nasi-uduk.jpg" />
23            </li>
24            <li>
25              Four
26              <br></br>
27              <Image linkImg="https://www.linkpicture.com/q/pia-tape-2_1.jpg" />
28            </li>
29          </ol>
30        </div>
31      );
32    }
33  }
34  export default List;
```

e) Component image

```
src > JS Image.js > [?] default
1  import React,{Component} from "react";
2
3  class Image extends Component {
4    render() {
5      return <img src={this.props.linkImg} alt="Food" width="300" />;
6    }
7  }
8  export default Image;
```

```
ReactDOM.render(<App/>, document.getElementById("root"));
```

Component from Class Header

Component from Class App

1. One



2. Two



3. Three



2. Assignment

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