

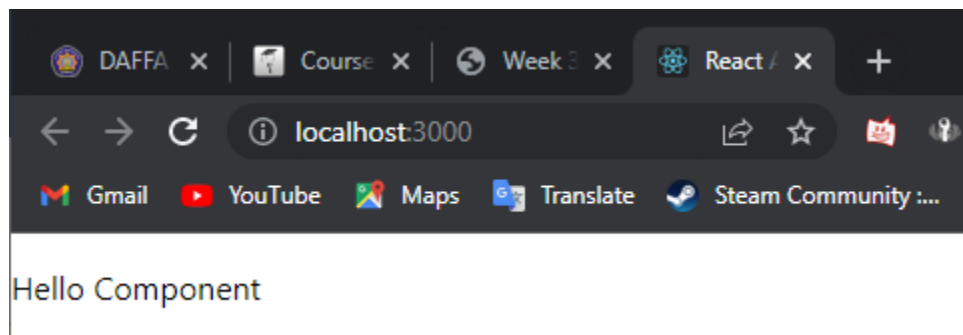
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### Experiment A. Creating Stateless and Stateful Component

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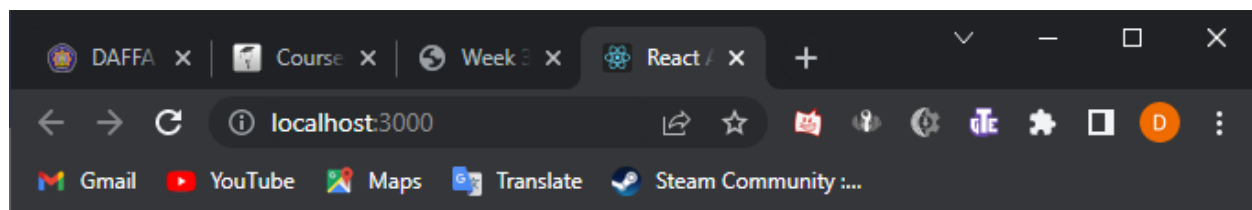
```
JS index.js M X
src > JS index.js > ...
 1  import React from 'react';
 2  import ReactDOM from 'react-dom';
 3  import './index.css';
 4  import App from './App';
 5  import reportWebVitals from './reportWebVitals';
 6
 7  function HelloComponent() {
 8    return <p>Hello Component</p>
 9  }
10
11  ReactDOM.render(<HelloComponent />, document.getElementById("root"));
```

Output :



```
JS index.js M 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 class StatefullComponent extends React.Component {
11   render() {
12     return <p>Statefull Component</p>;
13   }
14 }
15
16 ReactDOM.render(<StatefullComponent />, document.getElementById("root"));
```

Output :



Statefull Component

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*Experiment B. Creating Props*

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```
JS index.js M JS App.js M X
src > JS App.js > [0] default
1 import React, { Component } from 'react';
2 import Header from './Header';
3 import Footer from './Footer';
4 import List from './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;
```

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*Experiment C. Displaying Props*

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```
JS index.js M JS App.js M JS Header.js U X JS Footer.js U
src > JS Header.js > [0] default
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;
```

```
JS index.js M JS App.js M JS Header.js U JS Footer.js U X
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;
```

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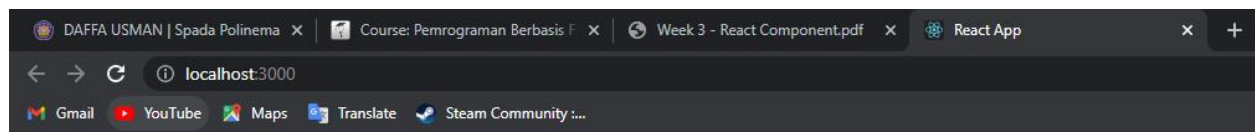
### Experiment D. Props on Class Component

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```
JS index.js M X JS App.js M JS Header.js U JS Footer.js U JS List.js U X JS Image.js U
src > JS List.js > List > render
1  import React, { Component } from "react";
2  import Image from "../Image";
3  // Class Component List
4  class List extends Component {
5    render() {
6      return (
7        <div>
8          <ol>
9            <li>
10              One
11              <Image linkImg="https://cdn.tasteatlas.com/images/toplistarticles/fc20fbcf5cd4690ba0cb9614192303..." />
12            </li>
13            <li>
14              Two
15              <Image linkImg="https://dynaimage.cdn.cnn.com/cnn/q_auto,w_634,c_fill,g_auto,h_357,ar_16:9/http%3A..." />
16            </li>
17            <li>
18              Three
19              <Image linkImg="https://dynaimage.cdn.cnn.com/cnn/q_auto,w_634,c_fill,g_auto,h_357,ar_16:9/http%3A..." />
20            </li>
21            <li>
22              Four
23              <Image linkImg="https://dynaimage.cdn.cnn.com/cnn/q_auto,w_634,c_fill,g_auto,h_357,ar_16:9/http%3A..." />
24            </li>
25          </ol>
26        </div>
27      );
28    }
29  }
30  export default List;
```

```
JS index.js M JS App.js M JS Header.js U JS Footer.js U JS List.js U JS Image.js U X
src > JS Image.js > [X] 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="500" />;
6   }
7 }
8 export default Image;
```

Output :



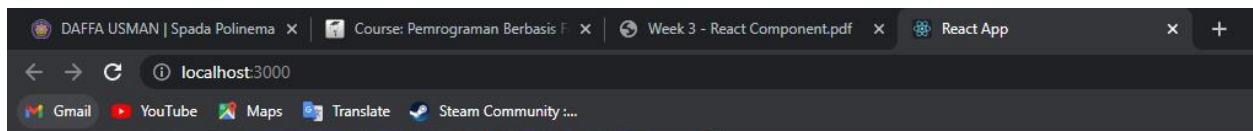
## Component from Class Header

## Component from Class App



1. One





3. Three



4. Four



## Footer Page

**This component is created using function not Class**

This value is returned from props: Footer Page

My name is JTI

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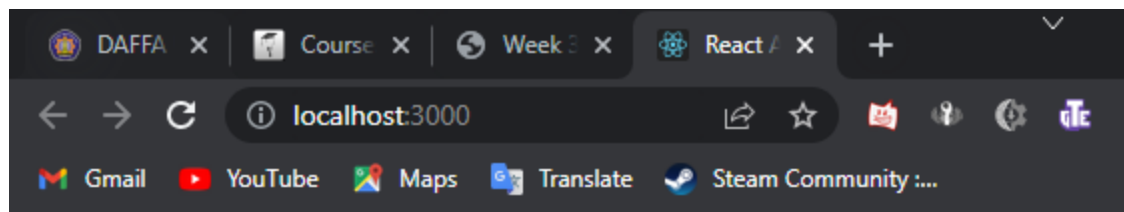
## Experiment E. Lifecycle Component

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```
JS App.js M JS Header.js U JS Footer.js U JS List.js U # HelloComponent.css U X
src > component > # HelloComponent.css > .text-p
1 .text-p {
2   color: blueviolet;
3 }
```

```
JS App.js M JS Header.js U JS Footer.js U JS List.js U # HelloComponent.css U JS HelloComponent.js U X
src > component > JS HelloComponent.js > default
1 import React from "react";
2 import "../HelloComponent.css";
3
4 const HelloComponent = () => {
5   return <p className="text-p">This is the arrow function in the folder</p>;
6 };
7
8 export default HelloComponent;
```

Output :



This is the arrow function in the folder