

Lesson 02 Demo 01 Creating a React Application Using React Components

Objective: To create a React application with a class component to display a desired text

Tools required: Node terminal, React app, and Visual Studio Code

Prerequisites: Knowledge of creating a React app and understanding of the folder structure

Steps to be followed:

1. Create a new React app

- 2. Create a Class component
- 3. Render the component
- 4. Run the application

Step 1: Create a new React app

1.1 Open your terminal and execute the following command to create a new React app: npx create-react-app my-first-app4

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
shreemayeebhatt@ip-172-31-22-250:~$ npx create-react-app my-first-app4
```

1.2 Move to the newly created directory by running the following command: cd my-first-app4

```
shreemayeebhatt@ip-172-31-22-250:~$ cd my-first-app4/
```

Note: Open your project in Visual Studio Code



Step 2: Create a Class component

2.1 Open the src/App.js file and replace the existing code in App.js with the following code import React from 'react'; class FirstApp extends React.Component { render() { return <h2>This is my first Assignment</h2>; } }
export default FirstApp;

2.2 Define a class component named **FirstApp** with the help of the code, that extends the **React.Component** class

```
src > is App.js > ...
    import React from 'react';

class FirstApp extends React.Component {
    render() {
        return <h2>This is my first Assignment</h2>;
    }
}

export default FirstApp;
```

Note: The above code has a render method that returns a JSX element <h2>This is my first Assignment</h2>



Step 3: Render the component

- 3.1 In src/index.js, import the FirstApp component:
 import FirstApp from './App';
- 3.2 Inside the **ReactDOM.render** method, replace the second argument with the following code:

```
<FirstApp/>:
ReactDOM.render(
   <React.StrictMode>
    <FirstApp />
    </React.StrictMode>,
    document.getElementById('root')
);
```

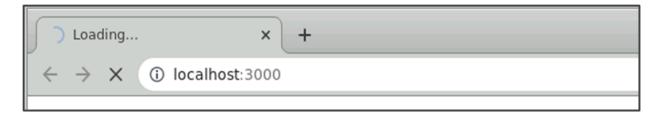
```
## style="font-size: 15%;" style="font-size: 15%;
```



Step 4: Run the application

4.1 In the terminal, navigate to the project directory (my-first-app4) and execute the following command to start the development server and run the app: npm start

4.2 Once the server starts successfully, open http://localhost:3000 in your browser to view the app:







By following these steps, you have successfully created a React application with a class component to display the desired text.