

Lesson 06 Demo 03

JSX Transform

Objective: To develop a React application that demonstrates new JSX transform in React

Tools Required: Node Terminal, React App, and Visual Studio Code

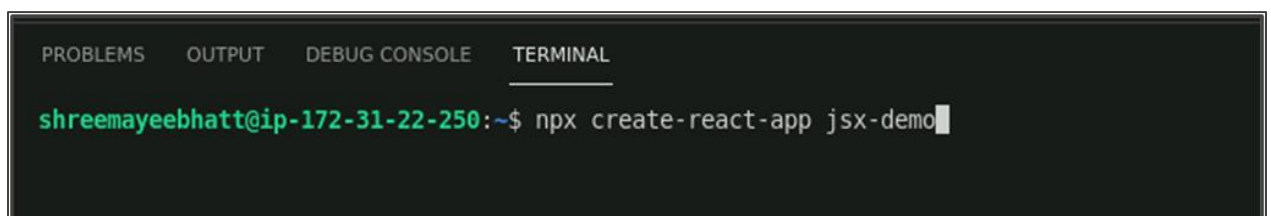
Prerequisites: Knowledge of creating a React app and understanding of the folder structure

Steps to be followed:

1. Create a new **React** app
2. Create a simple function component
3. Run the app

Step 1: Create a new React app

- 1.1 Open the terminal and run the command **npm create-react-app jsx-demo**



```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL
shreemayeebhatt@ip-172-31-22-250:~$ npm create-react-app jsx-demo
```

This command will create a new React app with the name **jsx-demo**.

- 1.2 Move to the newly created directory by running the command **cd jsx-demo** in the terminal

Step 2: Create a simple function component

- 2.1 Open your React project with the **Visual Studio Code** editor, and start modifying the **App.js** file within the **src** folder
- 2.2 Inside **App.js**, import **React**, and inside the **App** component, return a **JSX expression** that represents the structure and content of the app
- 2.3 Use the **div** element as the root container and wrap all the elements, like the **h1** element to display the heading **Hello, World!** and the **p** element to display the text: **This is a simple app using JSX**
- 2.4 Export the **App** component as the default export of the file

```
import React from 'react';
```

```
function App() {  
  return (  
    <div>  
      <h1>Hello, World!</h1>  
      <p>This is a simple app using JSX.</p>  
    </div>  
  );  
}
```

```
export default App;
```

```
src > js App.js > ...  
1  import React from 'react';  
2  
3  function App() {  
4    return (  
5      <div>  
6        <h1>Hello, World!</h1>  
7        <p>This is a simple app using JSX.</p>  
8      </div>  
9    );  
10  }  
11  
12  export default App;  
13
```

Step 3: Run the app

3.1 In the terminal, navigate to the project directory and run the command **npm start** to start the development server

3.2 Open your browser and navigate to **http://localhost:3000**



You should see the counter app, and clicking on the buttons should increment or decrement the count, which is stored and managed by the Redux store.

With this, you have successfully created a React application that demonstrates a new JSX transform in React.