

## WEEK 6 - 4 ) REACT JS - HANDS ON EXERCISES

1) Create a new react application using *create-react-app* tool with the name as “blogapp”. Open the application using VS Code. Create a new file named as Post.js in src folder with following properties

[Post.js](#)

```
import React from 'react';

function Post(props) {
  return (
    <div className="post">
      <h3>{props.title}</h3>
      <p>{props.body}</p>
    </div>
  );
}

export default Post;
```

Create a new class based component named as Posts inside Posts.js file

[Posts.js](#)

```
import React, { Component } from 'react';
import Post from './Post';

class Posts extends Component {
  constructor(props) {
    super(props);
    this.state = {
      posts: []
    };
  }

  componentDidMount() {
    // Using mock data to show meaningful blog content
```

```

const mockPosts = [
  {
    id: 1,
    title: "How to Start a Blog",
    body: "Learn how to start your blog from scratch in 5 steps."
  },
  {
    id: 2,
    title: "React Basics",
    body: "React is a JavaScript library for building user
interfaces."
  },
  {
    id: 3,
    title: "Why Use Fetch API",
    body: "Fetch API is a modern way to request data from servers."
  },
  {
    id: 4,
    title: "JavaScript Tips",
    body: "Mastering JavaScript is essential for frontend
development."
  },
  {
    id: 5,
    title: "Understanding Props and State",
    body: "Props and State are key concepts in React components."
  }
];

this.setState({ posts: mockPosts });
}

render() {
  return (
    <div className="posts-container">
      <h1>All Blog Posts</h1>
      {this.state.posts.map((post) => (
        <Post key={post.id} title={post.title} body={post.body} />
      ))}
    </div>
  );
}

```

```

        </div>
    );
}
}

export default Posts;

```

## [App.js](#)

```

import React from 'react';
import './App.css';
import Posts from './Posts';

function App() {
    return (
        <div className="App">
            <Posts />
        </div>
    );
}

export default App;

```

## App.css

```

.App {
    font-family: Arial, sans-serif;
    padding: 40px;
    max-width: 800px;
    margin: 0; /* remove auto-centering */
}

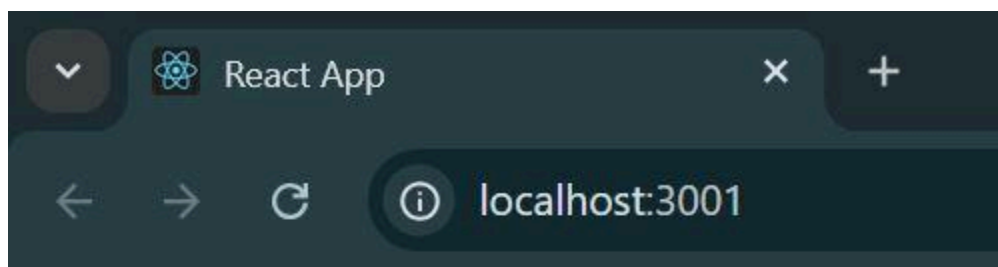
.posts-container h1 {
    font-size: 32px;
    font-weight: bold;
    margin-bottom: 30px;
    text-align: left; /* ensure heading is left-aligned */
}

```

```
.post h3 {
  font-size: 20px;
  font-weight: bold;
  margin: 10px 0 5px;
  text-align: left;
}

.post p {
  font-size: 16px;
  margin: 0 0 20px;
  text-align: left;
}
```

**OUTPUT :**



## All Blog Posts

### How to Start a Blog

Learn how to start your blog from scratch in 5 steps.

### React Basics

React is a JavaScript library for building user interfaces.

### Why Use Fetch API

Fetch API is a modern way to request data from servers.

### JavaScript Tips

Mastering JavaScript is essential for frontend development.

### Understanding Props and State

Props and State are key concepts in React components.

