WEEK 6

HANDS ON LAB 4:

Title : Create a blog app in React using class components

Step 1: Create a new React App

Open your terminal and run:

```
npx create-react-app blogapp
```

This will create a new folder named blogapp with React setup.

Step 2: Open project in VS Code

Navigate to the folder and open in VS Code:

```
cd blogapp
code .
```

Step 3: Create a file called `Post.js` inside `src` folder

Go to the src folder and create a new file named Post.js. Add the following code:

```
class Post {
  constructor(id, title, body) {
    this.id = id;
    this.title = title;
    this.body = body;
  }
}

export default Post;
```

Step 4: Create a new file called `Posts.js` inside `src` folder

Create another file named Posts.js inside the src folder. Add the following code:

```
import React from 'react';
import Post from './Post';

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

```
    loadPosts() {
      fetch('https://jsonplaceholder.typicode.com/posts')
        .then(response => response.json())
        .then(data => {
          const postObjects = data.map(
            post => new Post(post.id, post.title, post.body)
          );
          this.setState({ posts: postObjects });
        })
        .catch(error => {
          alert("Failed to load posts.");
        });
    }

    componentDidMount() {
      this.loadPosts();
    }

    componentDidCatch(error, info) {
      alert("Something went wrong: " + error);
    }

    render() {
      return (
        <div>
          <h1>Blog Posts</h1>
          {this.state.posts.map(post => (
            <div key={post.id}>
              <h2>{post.title}</h2>
              <p>{post.body}</p>
            </div>
          ))}
        </div>
      );
    }
}

export default Posts;
```

Step 5: Update `App.js` to render `Posts` component

Open the file `src/App.js` and replace the default content with this:

```
import React from 'react';
import Posts from './Posts';

function App() {
  return (
    <div>
      <Posts />
    </div>
  );
}
```

```
export default App;
```

Step 6: Run the app

Go back to your terminal and run the app using:

```
npm start
```

OUTPUT: