**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:**

