

ReactJs Handson 4:

Created react app

>>npx create-react-app blogapp

Src/post.js:

```
import React from 'react';

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

export default Post;
```

src/posts.js

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

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

  // loadPosts() method using Fetch API
  loadPosts = () => {
    fetch('https://jsonplaceholder.typicode.com/posts')
      .then(response => response.json())
      .then(data => {
        const postList = data.map(
          post => new Post(post.userId, post.id, post.title, post.body)
        );
        this.setState({ posts: postList });
      })
      .catch(error => {
        console.error("Error fetching posts:", error);
      });
  };
}
```

```

// componentDidMount() to load posts
componentDidMount() {
  this.loadPosts();
}

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

componentDidCatch(error, info) {
  alert("An error occurred: " + error);
  console.error("Error Info:", info);
}
}

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;

```

Output:

>>npm start

