

4. ReactJS-HOL

Code:

App.js:

```
import React from "react";

import Posts from "./Posts"; // ← Import your Posts component

function App() {

  return (

    <div className="App">

      <h1>My Blog App</h1>

      <Posts />

    </div>

  );

}

export default App;
```

Post.js:

```
class Post {

  constructor(id, title, body) {

    this.id = id;

    this.title = title;

    this.body = body;

  }

}

export default Post;
```

Posts.js:

```
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(
          (item) => new Post(item.id, item.title, item.body)
        );
        this.setState({ posts: postObjects });
      })
      .catch((error) => {
        console.error("Error fetching posts:", error);
      });
  }

  componentDidMount() {
    this.loadPosts();
  }

  render() {
    return (
      <div>
        <h2>Blog Posts</h2>
        {this.state.posts.map((post) => (
          <div key={post.id}>
            <h3>{post.title}</h3>
            <p>{post.body}</p>
            <hr />
          </div>
        ))}
      </div>
    );
  }

  componentDidCatch(error, info) {
    alert("Something went wrong in Posts component!");
  }

```

```
    console.log(error, info);  
  }  
}  
  
export default Posts;
```

Output:

