

Handson-4

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

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

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

```
loadPosts = () => {  
  fetch('https://jsonplaceholder.typicode.com/posts')  
    .then(res => res.json())  
    .then(data => {  
      const postsData = data.slice(0, 10).map(post => new Post(post.id, post.title,  
post.body));
```

```
        this.setState({ posts: postData });
    })
    .catch(error => {
        console.error('Error fetching posts:', error);
        this.setState({ hasError: true });
    });
};

componentDidMount() {
    this.loadPosts();
}

componentDidCatch(error, info) {
    alert('Something went wrong while rendering posts. ');
    console.error("Error caught in componentDidCatch:", error, info);
    this.setState({ hasError: true });
}

render() {
    if (this.state.hasError) {
        return <h2>Something went wrong. Please try again later.</h2>;
    }

    return (
        <div>
            <h1>Blog Posts</h1>
            {this.state.posts.map(post => (
                <div key={post.id} style={{ border: '1px solid gray', margin: '10px', padding: '10px' }}>
```

```
        <h3>{post.title}</h3>

        <p>{post.body}</p>

    </div>

    )}]
</div>

);

}

}
```

```
export default Posts;

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

```
function App() {

    return (

        <div className="App">

            <Posts />

        </div>

    );

}
```

```
export default App;
```

OUTPUT:

