**React – 4.ReactJs - HOL**

**App.js**

import React from 'react';

import Posts from './Posts';

*function* App() {

  return (

    <div className="App">

      <h1>Blog Posts</h1>

      <*Posts* />

    </div>

  );

}

export default App;

**Post.js**

import React from 'react';

*class* *Post* *extends* React.*Component* {

  render() {

*const* { title, body } = this.props;

    return (

      <div style={{ marginBottom: '20px' }}>

        <h3>{title}</h3>

        <p>{body}</p>

      </div>

    );

  }

}

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: [],

    };

  }

*// Step 6: Load posts from API*

  loadPosts = *async* () *=>* {

    try {

*const* response = await fetch('https://jsonplaceholder.typicode.com/posts');

*const* data = await response.json();

      this.setState({ posts: data.slice(0, 10) }); *// Limiting to 10 posts for brevity*

    } catch (error) {

      console.error('Failed to fetch posts:', error);

    }

  };

*// Step 7: componentDidMount*

  componentDidMount() {

    this.loadPosts();

  }

*// Step 9: componentDidCatch for error handling*

  componentDidCatch(*error*, *info*) {

    alert('An error occurred while rendering posts.');

    console.error("Error:", *error*, *info*);

  }

*// Step 8: Render method*

  render() {

    return (

      <div>

        {this.state.posts.map(*post* *=>* (

          <*Post* key={*post*.id} title={*post*.title} body={*post*.body} />

        ))}

      </div>

    );

  }

}

export default *Posts*;

**Output:**

A screenshot of a computer

AI-generated content may be incorrect.