**How to fetch post data by using useState hook**

import { useEffect, useState } from "react";

import axios from "axios";

const PostListWithoutReducer = () => {

  const [loading, setLoading] = useState(false);

  const [posts, setPosts] = useState([]);

  const [error, setError] = useState(null);

  useEffect(() => {

    async function fetchPosts() {

      try {

        setLoading(true);

        const response = await axios.get(

          "https://jsonplaceholder.typicode.com/posts"

        );

        setPosts(response.data);

        setLoading(false);

      } catch (error) {

        setError(error.message);

        setLoading(false);

      }

    }

    fetchPosts();

  }, []);

  return (

    <div>

      {loading ? (

        <h3>Loading...</h3>

      ) : error ? (

        <h3>{error}</h3>

      ) : (

        posts.map((post) => (

          <div key={post.id}>

            <h4>{post.title}</h4>

            <p>{post.body}</p>

            <hr />

          </div>

        ))

      )}

    </div>

  );

};

export default PostListWithoutReducer;

**How to fetch post list using useReducer hook**

import { useEffect, useState } from "react";

import axios from "axios";

const PostListWithoutReducer = () => {

  const [loading, setLoading] = useState(false);

  const [posts, setPosts] = useState([]);

  const [error, setError] = useState(null);

  useEffect(() => {

    async function fetchPosts() {

      try {

        setLoading(true);

        const response = await axios.get(

          "https://jsonplaceholder.typicode.com/posts"

        );

        setPosts(response.data);

        setLoading(false);

      } catch (error) {

        setError(error.message);

        setLoading(false);

      }

    }

    fetchPosts();

  }, []);

  return (

    <div>

      {loading ? (

        <h3>Loading...</h3>

      ) : error ? (

        <h3>{error}</h3>

      ) : (

        posts.map((post) => (

          <div key={post.id}>

            <h4>{post.title}</h4>

            <p>{post.body}</p>

            <hr />

          </div>

        ))

      )}

    </div>

  );

};

export default PostListWithoutReducer;

**Custom hook**

import useList from "./hooks/UseList";

const url = "https://jsonplaceholder.typicode.com/posts";

const initialState = {

  loading: true,

  posts: [],

  error: "",

};

const PostListWithCustomHook = () => {

  const state = useList(url, initialState);

  return (

    <div>

      {state.loading ? (

        <h3>Loading...</h3>

      ) : state.error ? (

        <h3>{state.error}</h3>

      ) : (

        state.posts.map((post) => (

          <div key={post.id}>

            <h4>{post.title}</h4>

            <p>{post.body}</p>

            <hr />

          </div>

        ))

      )}

    </div>

  );

};

export default PostListWithCustomHook;