UseEffect expects two things

Callback function and a dependency array.

First component is rendered and then useEffect is called

If any one of the state is getting updated, then it will render every time.

But if there is empty dependency, then use Effect is called on initial render.

If useEffect has no dependency, it will be called on every render.

We will see react-router

npm i react-router-dom

useRouteError Hook:

```
import React from "react";
import { useRouteError } from "react-router-dom";

const Error = () => {
   const err = useRouteError();
   console.log(err);
   return <div>Error</div>;
};

export default Error;
```

console.log(err) is giving this {

```
"status": 404,

"statusText": "Not Found",

"internal": true,

"data": "Error: No route matches URL \"/899\"",

"error": {}
}
```

## Single page Application

Client side routing and server side routing
Server side routing is getting different routing from client side
But what we are doing in our react application is client side routing meaning that routing is happening via client side

Under the table, Link tag is anchor tag because browser can understand anchor tag

Lets Explore React -Router dom

In the above code snippet, header and footer will be same.

Only thing that will change is

<Outlet/> and that is going to change as per children.

All the children there will go to Outlet according to Route This outlet is a named component which is doing routing for us