React Router:

✓ React Router is a standard library for routing in React.

✓ It enables the navigation among views of various components in a React Application, allows changing the browser URL.

✓ How to install Router Library in our App:

> npm install react-router-dom

✓ we want to connect your app to the browser's URL: import BrowserRouter and render it around your whole app.

Index.js

```
<BrowserRouter>      <AppRoutes/>      </BrowserRouter>
```

AppRoutes.js

```jsx
import { NavLink, Route, Routes } from "react-router-dom";
import About from "./About";
import Contact from "./Contact";
import Display from "./Display";
import ErrorPage from "./ErrorPage";
import Home from "./Home";
import Product from "./Product";
import User from "./User";

const AppRoutes=()=>{

    return(<>
        {/* <a href="/home">Home</a>
        <a href="/user">User</a>
        <a href="/display">Display</a>
        <a href="/product">Product</a>
        <a href="/about">About</a>
        <a href="/contact">Contact</a> */}

        <nav className="navbar navbar-expand-lg bg-dark navbar-dark">
        <div className="container-fluid">
            <div className="collapse navbar-collapse" id="navbarNav">
            <ul className="navbar-nav">
                <li className="nav-item">
                    <NavLink className="nav-link" to="/home">Home</NavLink>
                </li>
                <li className="nav-item">
                    <NavLink className="nav-link" to="/user">User</NavLink>
                </li>
                <li className="nav-item">
                  <NavLink className="nav-link" to="/display">Display</NavLink>
                </li>
                <li className="nav-item">
                    <NavLink className="nav-link" to="/product">Product</NavLink>
                </li>
```

```jsx
                    <li className="nav-item">
                        <NavLink className="nav-link" to="/about">About</NavLink>
                    </li>
                    <li className="nav-item">
                      <NavLink className="nav-link" to="/contact">Contact</NavLink>
                    </li>
                </ul>
                </div>
            </div>
            </nav>

            <Routes>
                <Route path="/" element={<Home/>}></Route>
                <Route path="/home" element={<Home/>}></Route>
                <Route path="/user" element={<User/>}></Route>
                <Route path="/display" element={<Display/>}></Route>
                <Route path="/product" element={<Product/>}></Route>
                <Route path="/about" element={<About/>}></Route>
                <Route path="/contact" element={<Contact/>}></Route>
                <Route path="/*" element={<ErrorPage/>}></Route>
            </Routes>
        </>)
}
export default AppRoutes;
```

Home.js

```jsx
import React from 'react'


function Home() {
  return <h1 className='text-primary'>Home Component</h1>
}
export default Home
```

ErrorPage.js

```jsx
import { NavLink } from "react-router-dom";

const ErrorPage=()=>{
    return (<>
        <h1 className="text-danger">404 Oops Page Not Found!</h1>

        <NavLink to="/home">
            <button className="btn btn-secondary">Back To Home!</button>
        </NavLink>
    </>)
}
export default ErrorPage;
```