react routing:

Routing in React.js refers to the process of displaying different pages or components based on the URL path — without reloading the entire webpage.

It allows us to build a Single Page Application (SPA), where navigation feels smooth like a mobile app.

We use libraries like react-router-dom to implement routing.

Real-Life Example:

Think of routing like a restaurant menu — when you click "Home," you see the home dishes; click "About," you see the chef's story — all on the same screen, just changing views, not changing the whole restaurant.

Basic Code Example Using react-router-dom:

Step 1: Install the router

npm install react-router-dom

- How it Works:
- BrowserRouter wraps your app to enable routing
- Routes holds all routes
- Route defines a path and its corresponding component

- Tick Checklist for Interview:
- Routing enables SPA (Single Page Application)
- V Uses react-router-dom
- V No full page reload
- Routes are mapped to components
- <Link> used instead of <a>
- Works with useNavigate, useParams for navigation and dynamic routing