REACT ROUTE

Router DOM

Install React Router DOM

→ Wrap App in Browser Router

Define Route in Routes

Link Elements

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In src → create routing folder -→

> public
∨ src
  ∨ routing
    ⚛ FirstPage.jsx   U
    ⚛ FourthPage.jsx   U
    ⚛ SecondPage.jsx   U
    ⚛ ThridPage.jsx   U
  # App.css   M
  JS App.js   M
  JS App.test.js
  # index.css   M
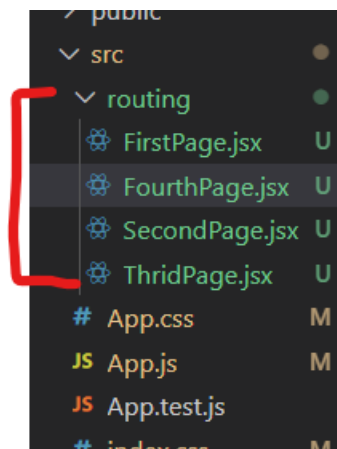
In App.js

```js
JS App.js > ⊗ App
import "./App.css";
import FirstPage from "./routing/FirstPage";
import FourthPage from "./routing/FourthPage";
import SecondPage from "./routing/SecondPage";
import ThridPage from "./routing/ThridPage";

function App() {
  return (
    <div>
      <h1>SARANAM AYYAPPA</h1>
      <FirstPage />
      <SecondPage />
      <ThridPage />
      <FourthPage />
    </div>
  );
}

export default App;
```

SARANAM AYYAPPA

First Page

Second Page

Thrid Page

Fourth Page

To use Routing in react → `npm i react-router-dom`

Step -2

Wrap App in Browser Router

Open index.js

```js
import React from "react";
import ReactDOM from "react-dom/client";
import "./index.css";
import App from "./App";
import reportWebVitals from "./reportWebVitals";
import { BrowserRouter } from "react-router-dom";

const root = ReactDOM.createRoot(document.getElementById("root"));
root.render(
  <React.StrictMode>
    <BrowserRouter>
      <App />
    </BrowserRouter>
  </React.StrictMode>
);
```
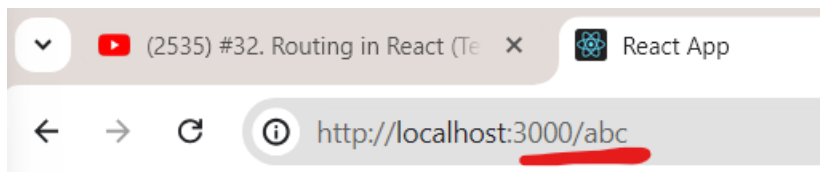
STEP -3

Define Route in Routes

In App.js

```
import "./App.css";
import FirstPage from "./routing/FirstPage";
import FourthPage from "./routing/FourthPage";
import SecondPage from "./routing/SecondPage";
import ThridPage from "./routing/ThridPage";
import { Routes, Route } from "react-router-dom";

function App() {
  return (
    <div>
      <Routes>
        <Route path="/abc" element={<FirstPage />} />
        <Route path="/xyz" element={<SecondPage />} />
      </Routes>
    </div>
  );
}

export default App;
```
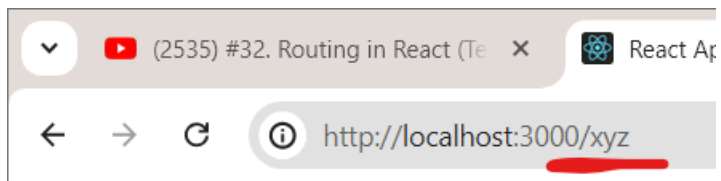
To see output →

```
(2535) #32. Routing in React (Te  ×    React App

←  →  C   ⓘ  http://localhost:3000/abc
```

First Page ←

Second Page

this is bcoz path

Create navbar.jsx → in src

```jsx
import React from "react";

const NavBar = () => {
  return (
    <div className="navSection">
      <ul>
        <li className="list">First Page</li>
        <li className="list">Second Page</li>
        <li className="list">Thrid Page</li>
        <li className="list">Fourth Page</li>
      </ul>
    </div>
  );
};

export default NavBar;
```

First Page   Second Page   Thrid Page   Fourth Page

-→ now we have to make that when we click on FirstPage→ we have get FirstPage component down

```
⚛ NavBar.jsx > 🔲 NavBar
  import React from "react";
  import { Link } from "react-router-dom";

  const NavBar = () => {
    return (
      <div className="navSection">
        <ul>
          <Link to="/abc">
            <li className="list">First Page</li>
          </Link>
          <Link to="/xyz">
            <li className="list">Second Page</li>
          </Link>
          <Link to="/vvv">
            <li className="list">Thrid Page</li>
          </Link>
          <Link to="har">
            <li className="list">Fourth Page</li>
          </Link>
        </ul>
      </div>
    );
  };
```
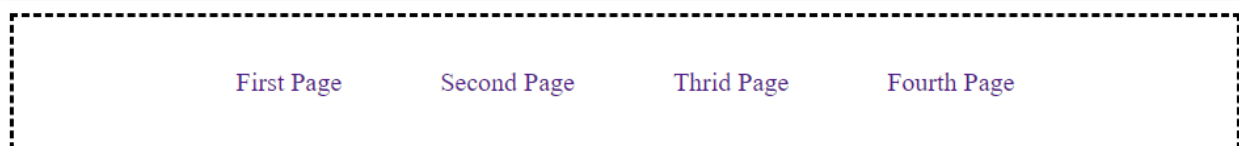
If you click on First Page →

| First Page | Second Page | Thrid Page | Fourth Page |

First Page ←

If you click on First Page →

| First Page | Second Page | Thrid Page | Fourth Page |

Second Page ←