
react router

=> browser router :

-- we could navigate through different pages of the application , without reloading the application, and it is possible because of the browser urls
-- we have connected our app with the browser url's
-- and with the help of browser router we could connect our app with the browser url's

=> Routes :

-- we wrap all the routes <like home, about, contact> inside the Routes .

```
<BrowserRouter>
|  <App />
</BrowserRouter>
```

```
function App() {
  return (
    <Routes>
      <Route path="/" element={<div>I am Home page</div>} />
      <Route path="/contact" element={<div>I am Contact page</div>} />
      <Route path="/about" element={<div>I am About page</div>} />
    </Routes>
  )
}
```

-- but we can't change url's manually and also user's doesn't know about them so we have links

=> Links :

```
<div>Home, sweet Home</div>
<Link to="/about">About Us</Link> <br />
<Link to="/contact">Contact Us</Link>
</>
```



localhost:3000

Home, sweet Home
[About Us](#)
[Contact Us](#)

=> useNavigation hook :

-- used for navigation

-- page1 <--on a click of button/link/--> page2/anyother

-- we will be achieving the same functionality of Link using the useNavigate

```
const Home = () => {
  const navigate = useNavigate()
  function goToAbout(){
    navigate("/about")
  }
  return (
    <>
      <div>Home, sweet Home</div>
      { /* <Link to="/about">About Us</Link> <br />
        <Link to="/contact">Contact Us</Link> */ }
      <button onClick={goToAbout}>About</button>
    </>
  )
}
```



localhost:3000

Home, sweet Home

About



localhost:3000/about

I am About
[Home](#)
[Contact Us](#)

=> how to pass the data from a component to other with the help of useNavigate ?
-- previously we have done this using the props but without props how we can pass the data from one component to another :