react-router
        - It is used to open the required pages depending on the url path
        - to install use the below command
        - npm install react-router
        - to make your react app use the routing mechanism add the APP compnent inside the
        BrowserRouter

Why not to use local variables
        - Local varaibles does not help in rerendering

  # React hooks
- The predefined functions given by react that starts with use
- useState()
- useNavigate()

useState()
        - It returns an array which consists of 2 elements
        - 0th index -> initial value is stored
        - 1st index -> function that helps in changing the value on the 0th index
        - the state will help to re-render the page if their are any changes in the state
        - whatever state returns can be destructured
        - const [email,setEmail] = useState('')

Navigation
        - To perform naviagtion in react we have to first install react-router
        - We can perform 2 types of navigation
        1. static navigation
                - this is used by using Link component
                - <Link to='/home'>Home</Link>
                - this is a kind of similar to our anchor tags
        2. dynamic navigation
                - this is used to navigate to the other pages on some conditions
                - to perfom dynamic naviagtion we have to use the hook called as useNavigate()
                - const navigate = useNavigate()
                - navigate('/home')

  # Axios
        - Axios is a promise-based HTTP Client for node.js and the browser.
        - used to call the backend api's which returns the promise
        - to resolve the promise use the async .. await keywords   axios.get()
                                                                              axios.post()
async function registerUser(name, email, password, mobile) {   axios.put()
        const URL = 'http://localhost:4000/user/signup'   axios.delete()
        const body = { name, email, password, mobile }
        const response = await axios.post(URL, body)
        return response.data
}

react-toastify

- React-Toastify allows you to add notifications to your app with ease.
- to add it use the below command
- npm install react-toastify
- to use it in our application first add the ToastContainer inside the App.jsx
-

```jsx
import { ToastContainer } from 'react-toastify'
function App() {
  return (
    <>
      <Routes>
        <Route path="/*" element={<Login />} />
        <Route path="/home" element={<Home />} />
      </Routes>

      <ToastContainer />
    </>
  )
}
```

- To add the toast we can use the below methods.
toast.success()
toast.error()
toast.warn()