Everything we do with react can be done with html,css and js too .. but why react??

* It makes u write less code and do more on webpage
* We can create big application with minimum code
* **It is best practice to have separate files for different components**
* Some people creates the file with jsx extensions for components
  + What is good way ? .. we can use either js or jsx any extensions we can do
  + When we create separate file for component we need to export it and then import in main component

import Header from "./components/Header";

and

import Header from "./components/Header.js";

both are same we can use anything we need

* **Never keep the hardcoded data in components always**
* **Common practice is keep In seprate folder**

**There are 2 types of exports available**

* Named export
  + When we need to export multiple variable or function we can use it

Export const URL = ‘https//url

We can import it using curly brackets

**Import {URL} from …**

* Default export
  + A file can have only one default export

**Export default name**

**Import**

**Import component from …**

**Hooks in react?**

1.the ui will display data from data either from backend

2.when we change the variable values inside component it wont update in ui why?

1.if we need data and ui layer in sync with each other .. it is achived by react … it can manuplate the DOM very fast through algorithms

2.if we use UseState with the normal js variable it is superpower which makes the react to re-render

**What is hooks?**

* It is normal js function given us by react .. the function has some superpowers with it
* We need to import the hooks from react and use it
* Important hooks ->useState and useEffect

**useState hook? -> state variables in react**

* Import {useState} from ‘react’
* It manages the state of variable
* It keeps the ui in sync with data vairables
* When a state variable changes the react re-render the component
* When the variable value changes react will re-render the component
* Very less code to execute the filter operation
* As soon the data layer update the ui gets updated
* React will make dom manuplation super fast and browser will re-render it very fast
* Const [listData,setListData] = useState([])..> why we need setListData function? 🡪 we need some trigger to let react know there is change is state data so we use function to do it

Above we do array destructing we can use as below also

Const arr = useState([])

Const listData = arr[0]

Const setListData = arr[1]