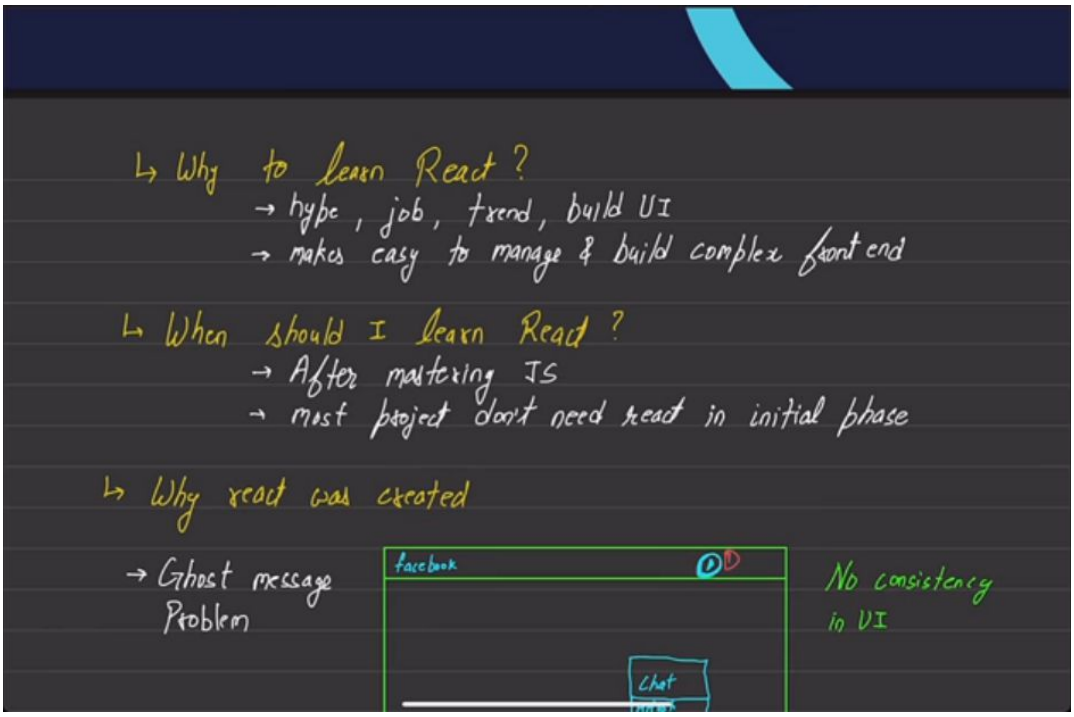
View, add and edit your notes in the app

Complete React course with projects | part 1

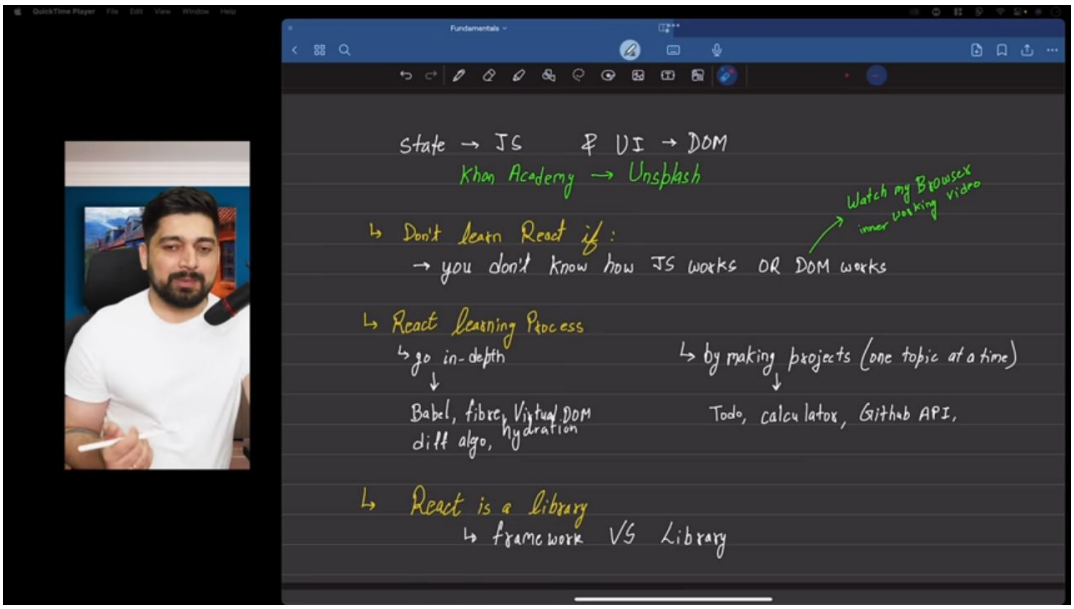
Generated on December 29, 2023

Summary

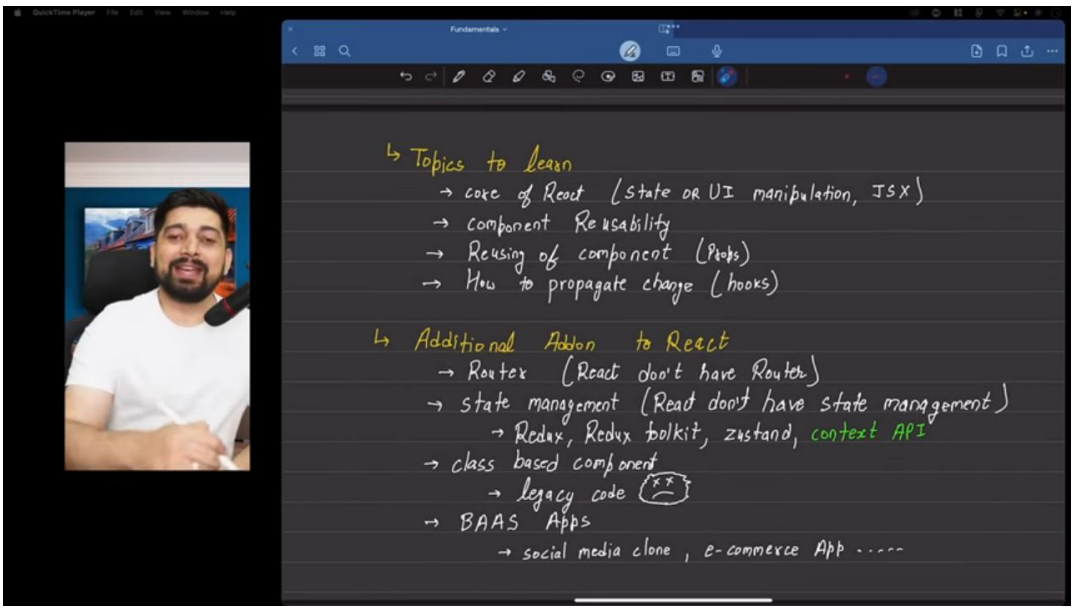
Notes	Screenshots	Bookmarks
12	54	0



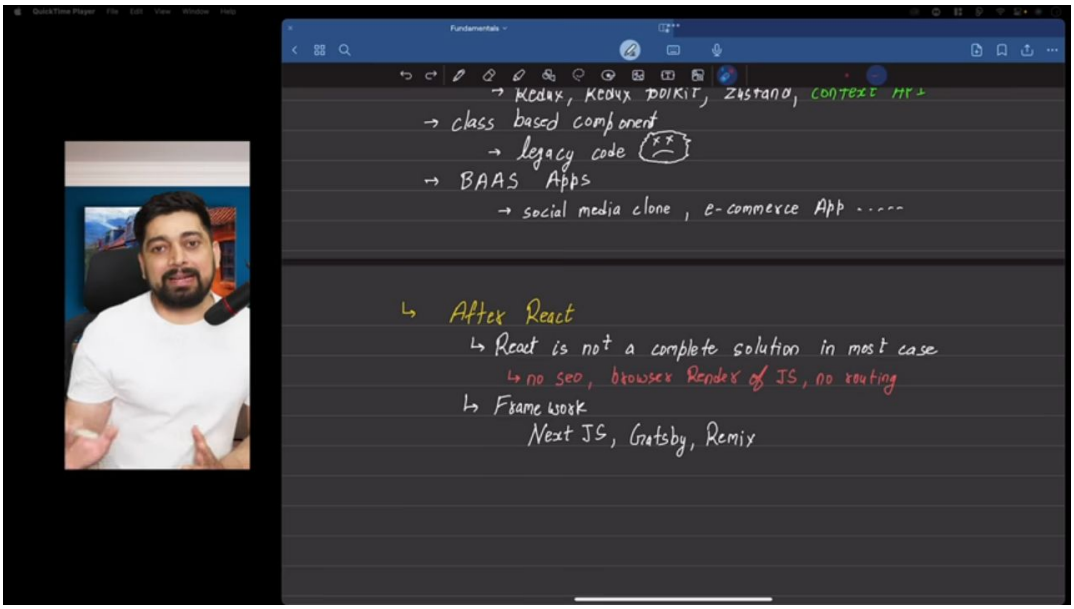
4:55


State → JS & UI → DOM
Khan Academy → Unsplash
↳ Don't learn React if :
→ you don't know how JS works OR DOM works
Watch my Browser inner working video
↳ React learning Process
↳ go in-depth
↳ by making projects (one topic at a time)
Babel, fibre, Virtual DOM diff algo, hydration
Todo, calculator, Github API,
↳ React is a library
↳ framework VS Library

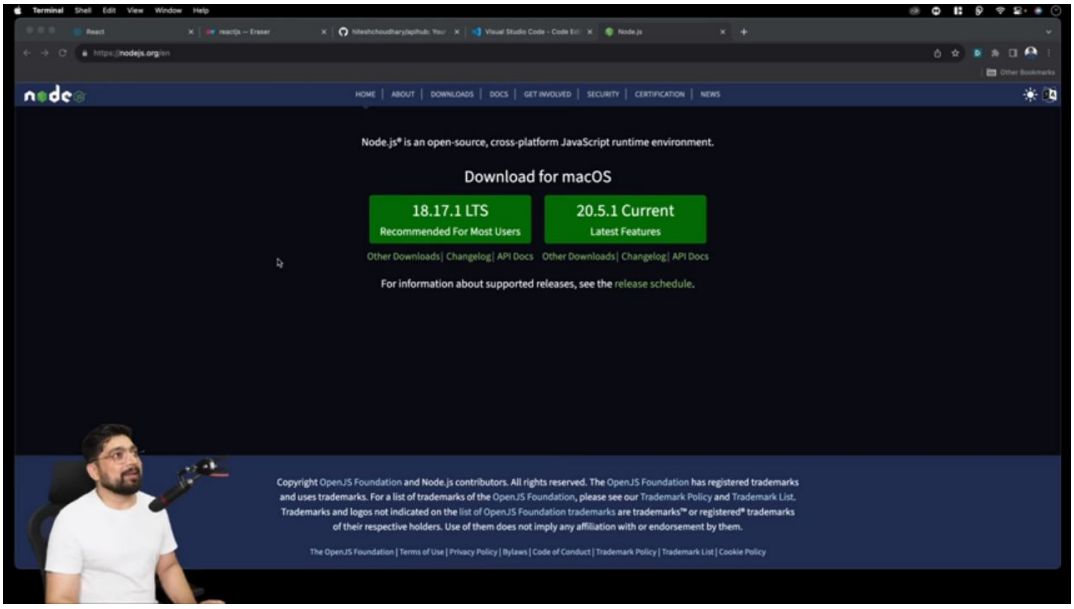
15:56


↳ Topics to learn
→ core of React (state or UI manipulation, JSX)
→ component Reusability
→ Reusing of component (Props)
→ How to propagate change (hooks)
↳ Additional Addon to React
→ Router (React don't have Router)
→ state management (React don't have state management)
→ Redux, Redux toolkit, zustand, context API
→ class based component
→ legacy code
→ BAAS Apps
→ social media clone , e-commerce App .....

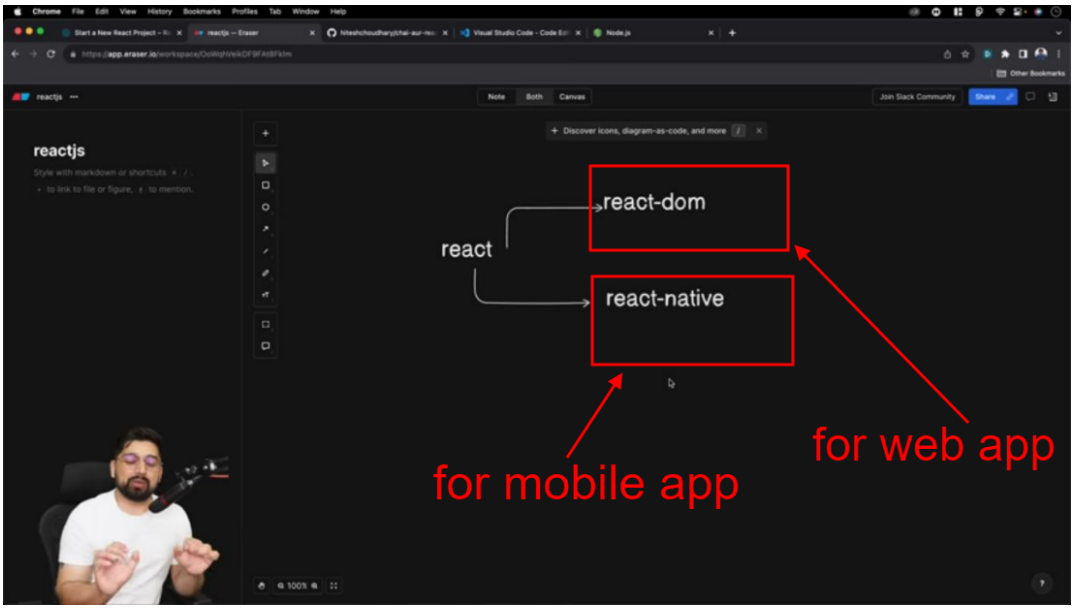
23:04


→ Redux, Redux toolkit, Zustand, context API
→ class based component
→ legacy code
→ BAAS Apps
→ social media clone , e-commerce App .....
↳ After React
↳ React is not a complete solution in most case
↳ no seo, browser Render of JS, no routing
↳ Frame work
Next JS, Gatsby, Remix

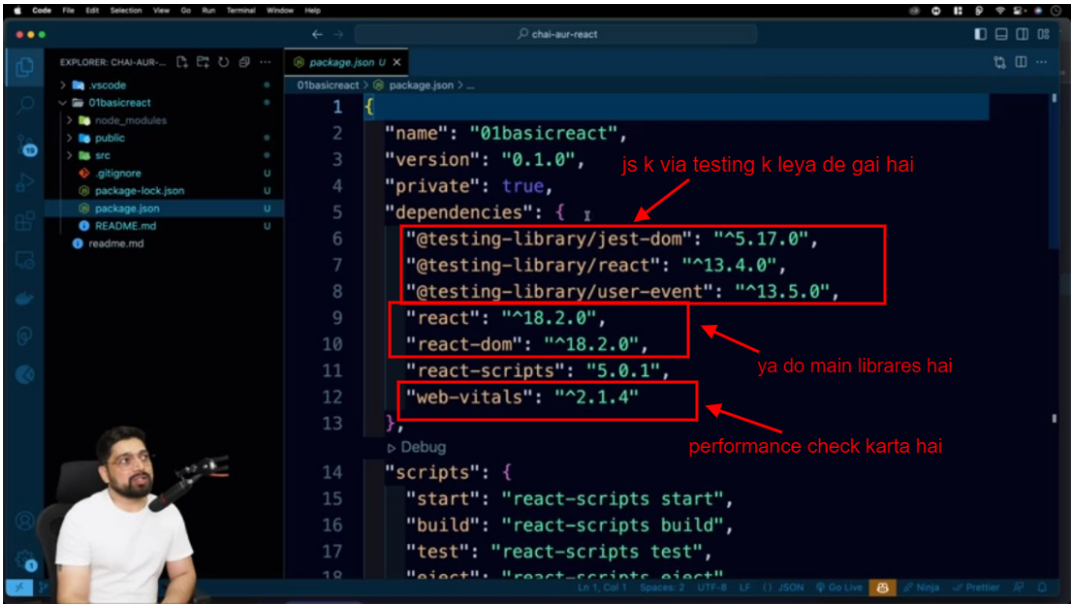
29:12


Node.js* is an open-source, cross-platform JavaScript runtime environment.
Download for macOS
18.17.1 LTS
Recommended For Most Users
20.5.1 Current
Latest Features
For information about supported releases, see the release schedule.
Copyright OpenJS Foundation and Node.js contributors. All rights reserved.

33:23


reactjs
react
react-dom
react-native
for mobile app
for web app

40:55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"@testing-library/react": "^13.4.0",
"@testing-library/user-event": "^13.5.0",
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"react-dom": "^18.2.0",
"react-scripts": "5.0.1",
"web-vitals": "^2.1.4"
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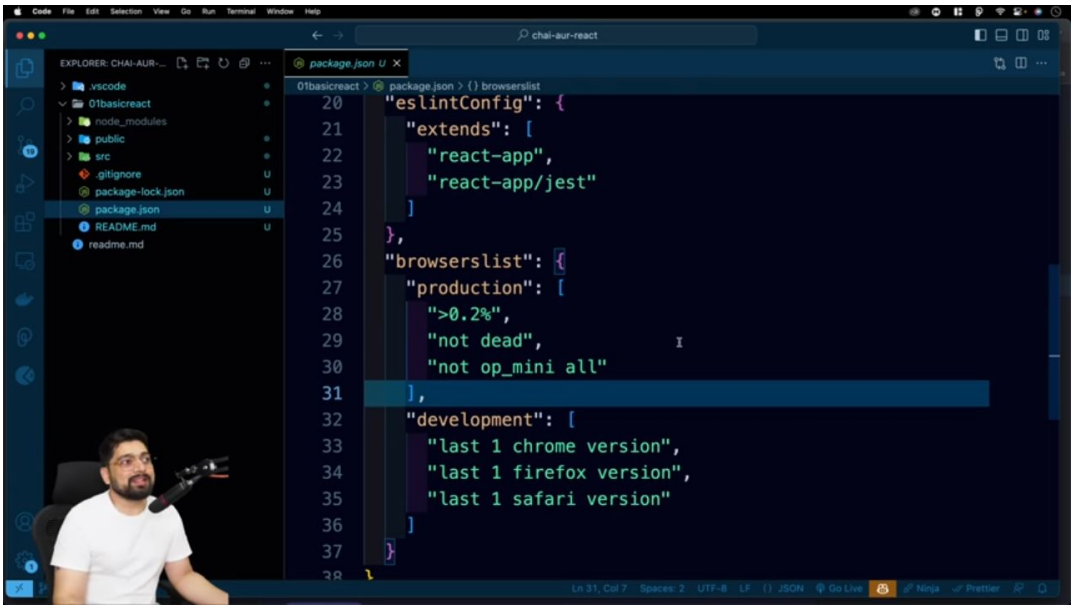
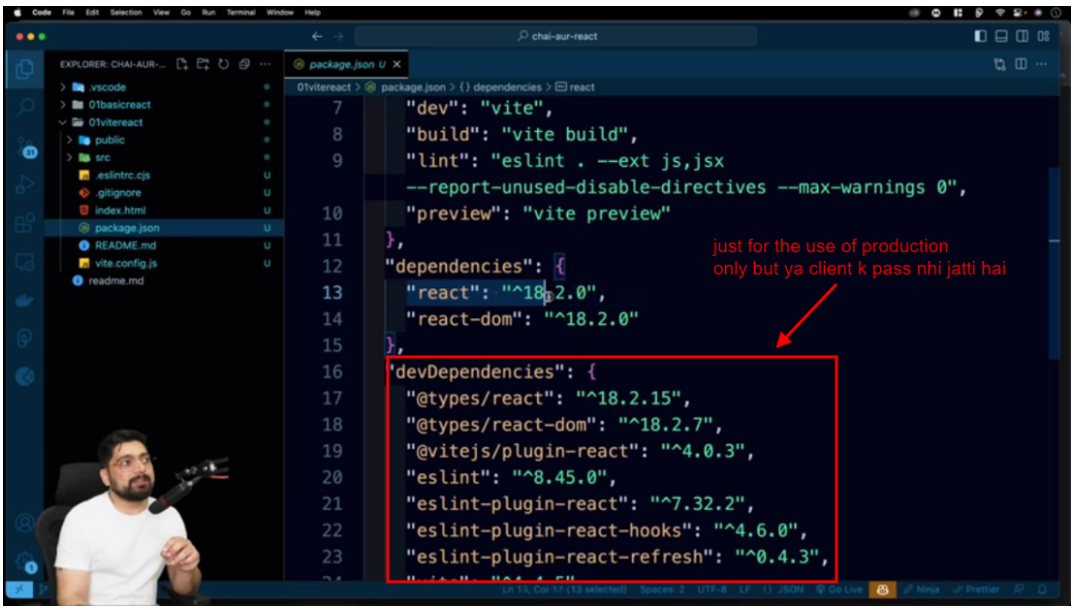
"build": "react-scripts build",
"test": "react-scripts test",
js k via testing k leya de gai hai
ya do main librares hai
performance check karta hai

45:02


chai-aur-react
EXPLORER: CHAI-AUR-...
.vscode
01basicreact
node_modules
public
src
.gitignore
package-lock.json
package.json
README.md
readme.md
package.json U
01basicreact > package.json > {} browserslist
"eslintConfig": {
"extends": [
"react-app",
"react-app/jest"
]
},
"browserslist": {
"production": [
">0.2%",
"not dead",
"not op_mini all"
],
"development": [
"last 1 chrome version",
"last 1 firefox version",
"last 1 safari version"
]
}

45:48


chai-aur-react
EXPLORER: CHAI-AUR-...
.vscode
01basicreact
01vitereact
public
src
.eslintrc.cjs
.gitignore
index.html
package.json
README.md
vite.config.js
readme.md
package.json U
01vitereact > package.json > {} dependencies > react
"dev": "vite",
"build": "vite build",
"lint": "eslint . --ext js,jsx
--report-unused-disable-directives --max-warnings 0",
"preview": "vite preview"
},
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"react": "^18.2.0",
"react-dom": "^18.2.0"
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"@types/react-dom": "^18.2.7",
"@vitejs/plugin-react": "^4.0.3",
"eslint": "^8.45.0",
"eslint-plugin-react": "^7.32.2",
"eslint-plugin-react-hooks": "^4.6.0",
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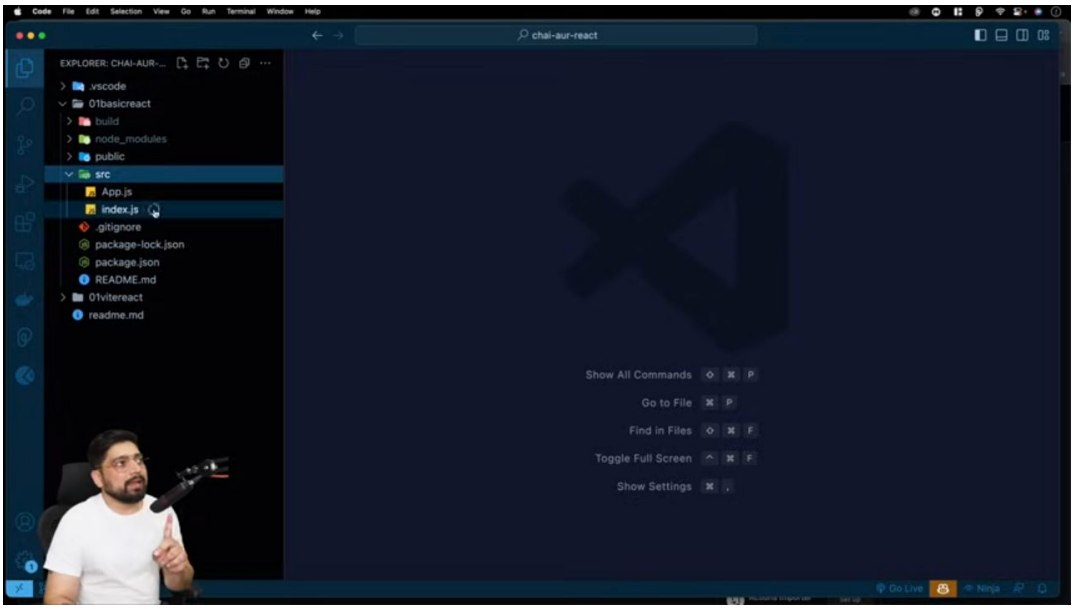
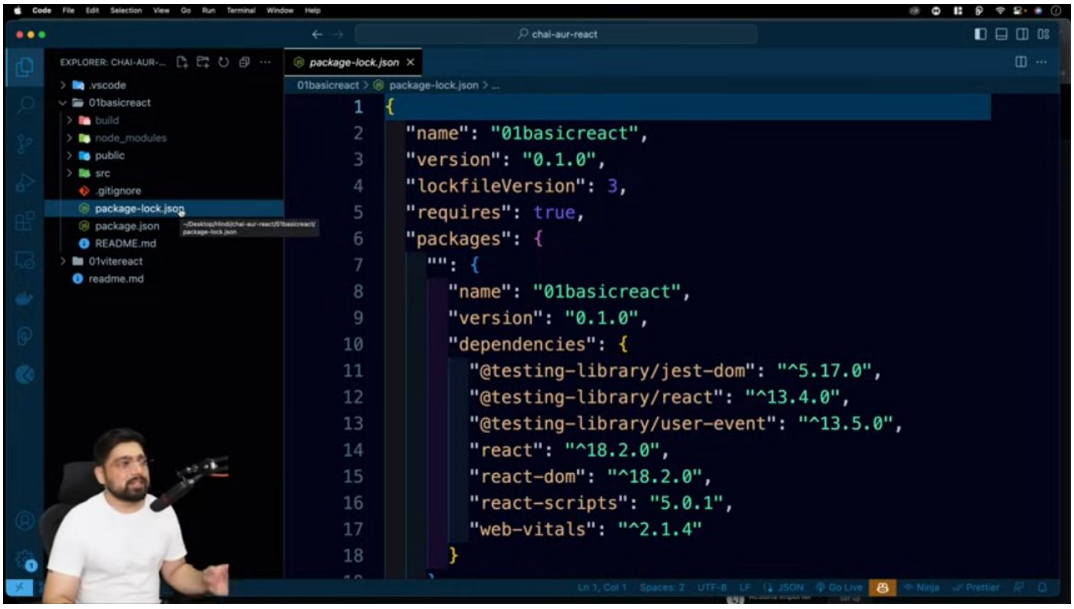
just for the use of production
only but ya client k pass nhi jatti hai

53:06


chai-aur-react
EXPLORER: CHAI-AUR-...
.vscode
01basicreact
build
node_modules
public
src
App.js
index.js
.gitignore
package-lock.json
package.json
README.md
01vitereact
readme.md
Show All Commands
Go to File
Find in Files
Toggle Full Screen
Show Settings

1:08:05


chai-aur-react
package-lock.json
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"version": "0.1.0",
"lockfileVersion": 3,
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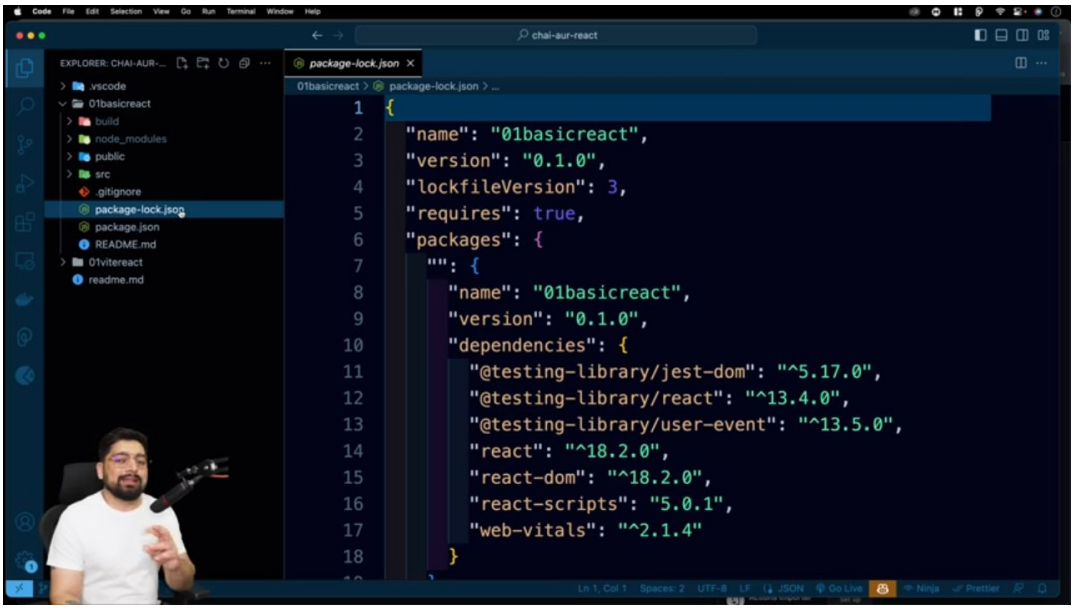
"version": "0.1.0",
"dependencies": {
"@testing-library/jest-dom": "^5.17.0",
"@testing-library/react": "^13.4.0",
"@testing-library/user-event": "^13.5.0",
"react": "^18.2.0",
"react-dom": "^18.2.0",
"react-scripts": "5.0.1",
"web-vitals": "^2.1.4"
}

1:09:12

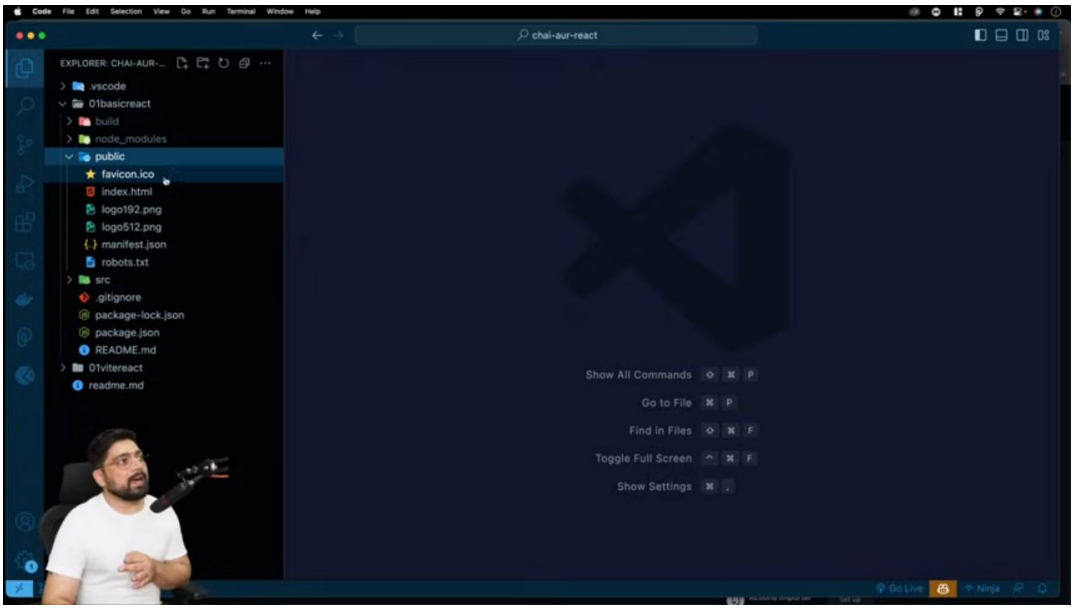


dependencey yahi lock hoti hai

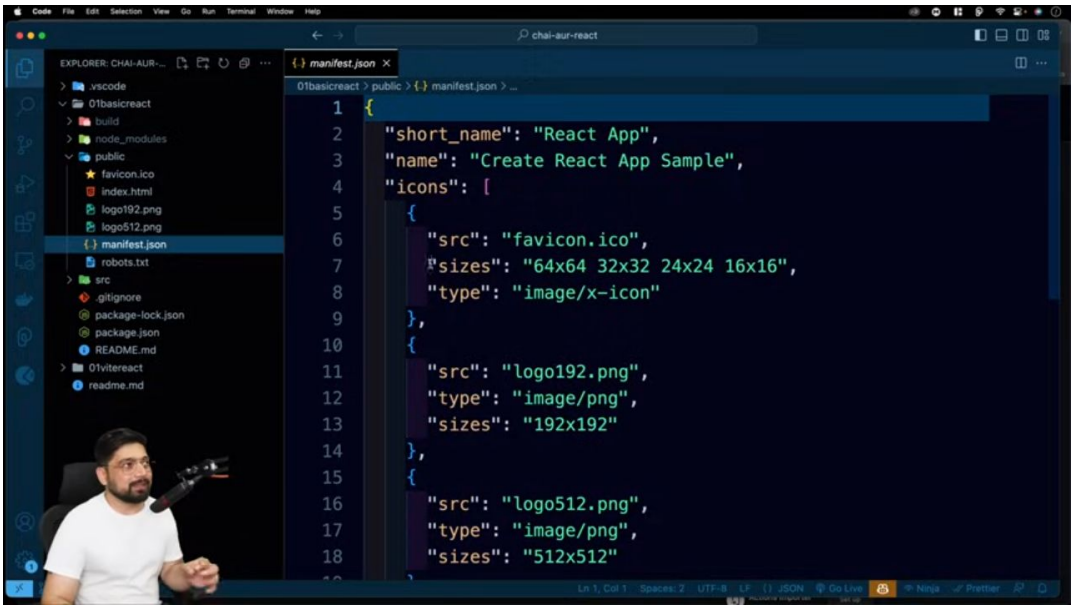
1:09:17

dependencey yahi lock hoti hai

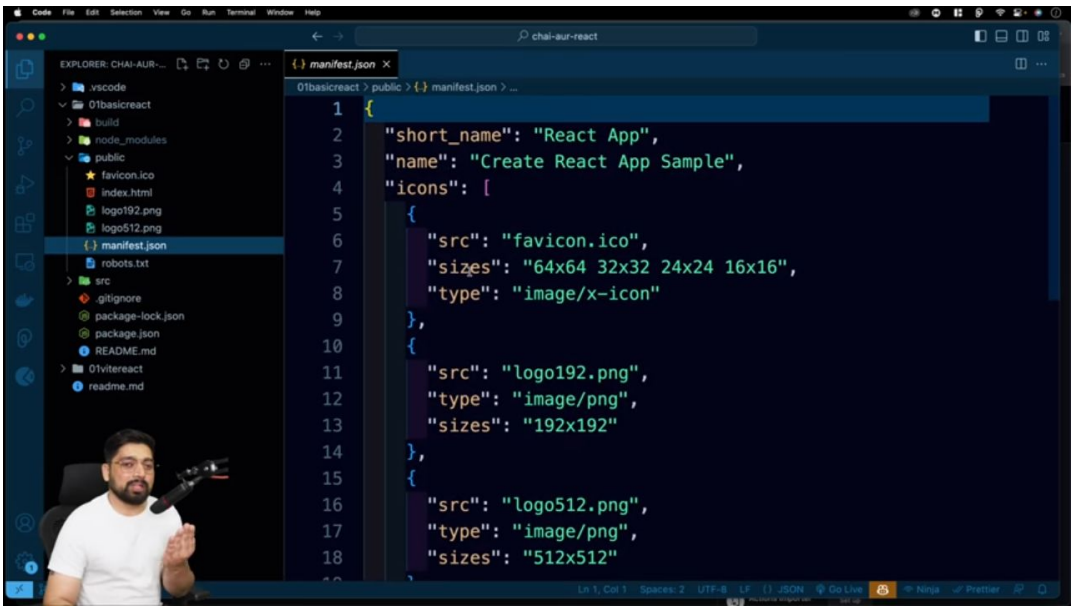
1:09:18



1:09:35

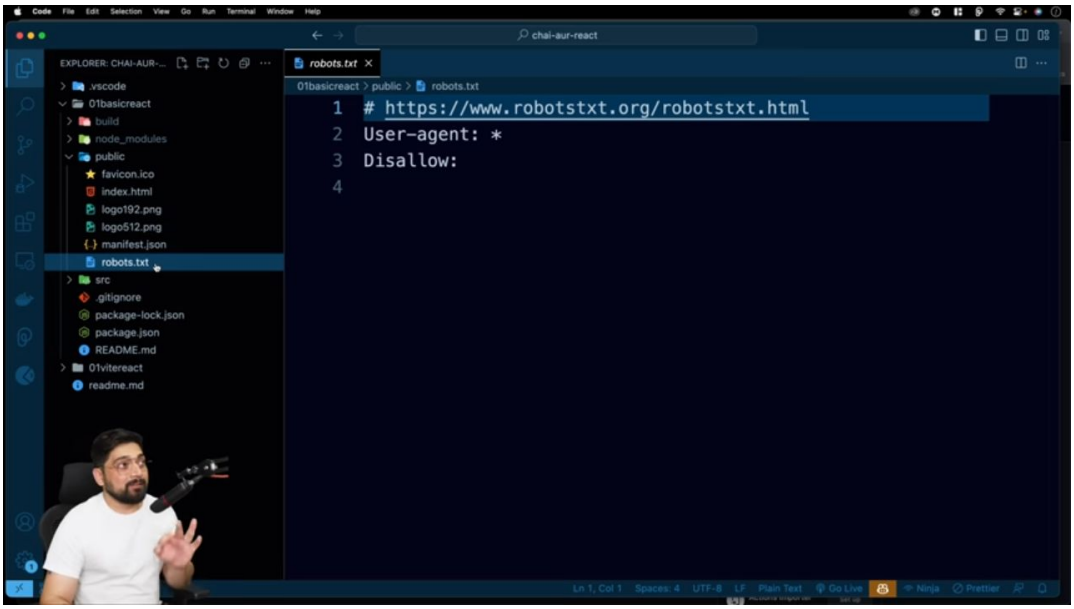


1:09:55



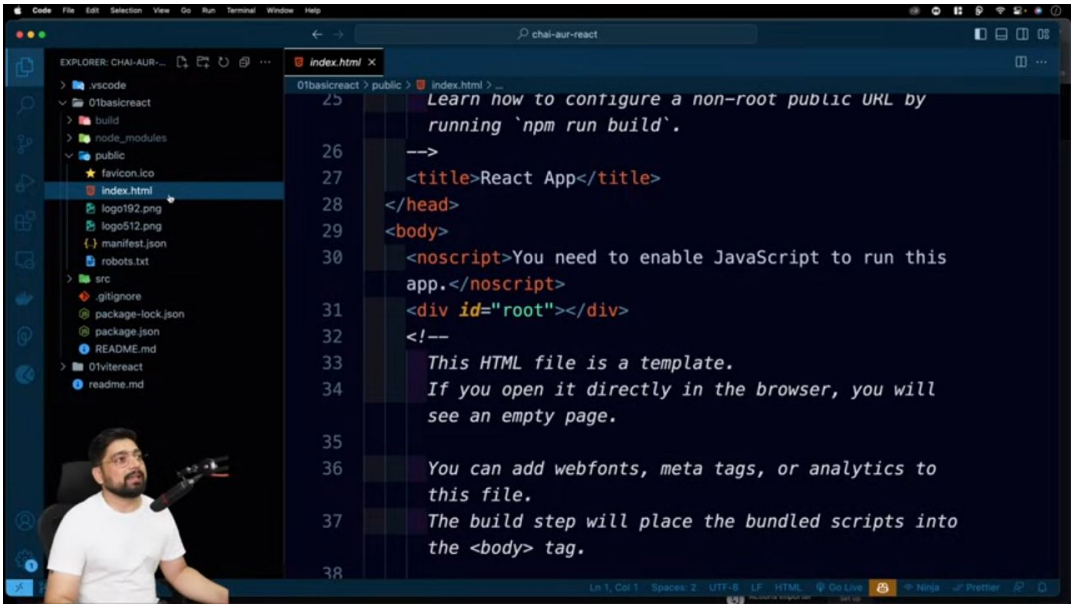
manifest file mobile app ka kam aeyti hai

1:09:58

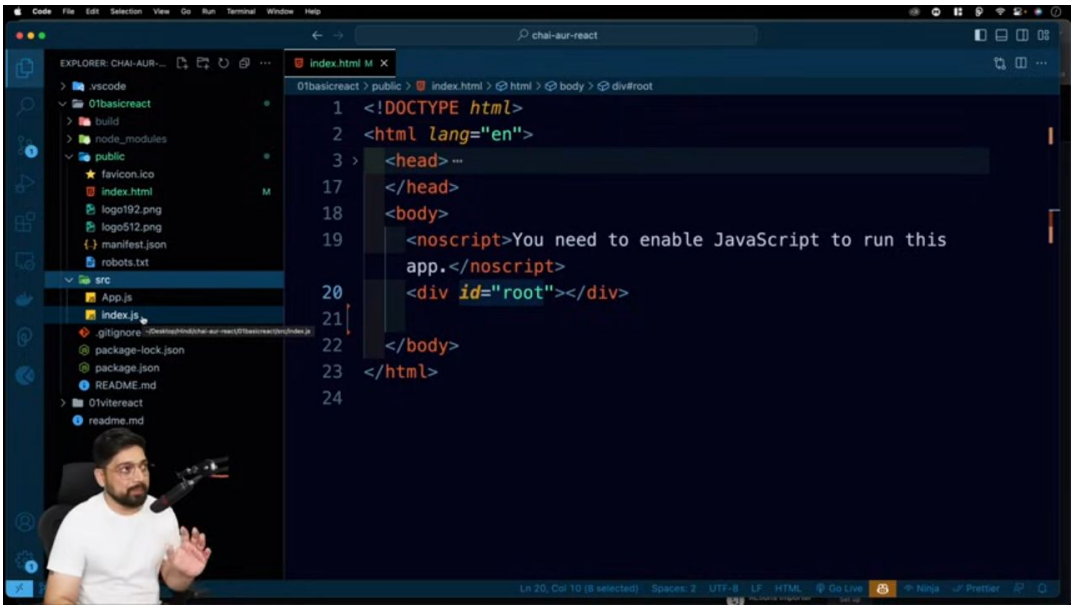


ya searchengain k leya hai ho na ho farka nhi

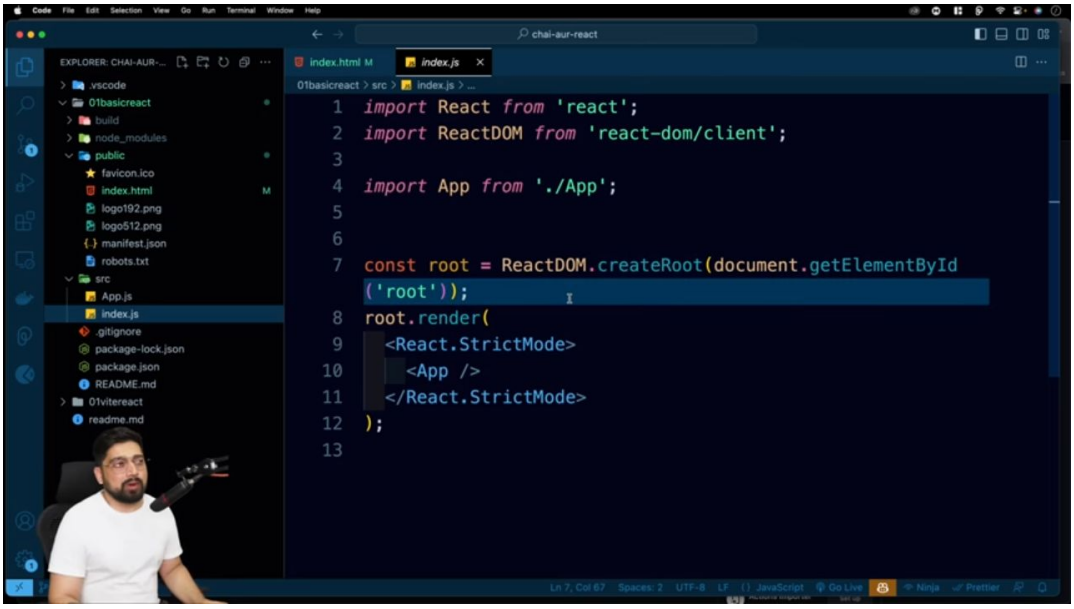
1:10:13



1:10:14



1:11:54



react apny ap main khod ka dom bhi bna ta hai

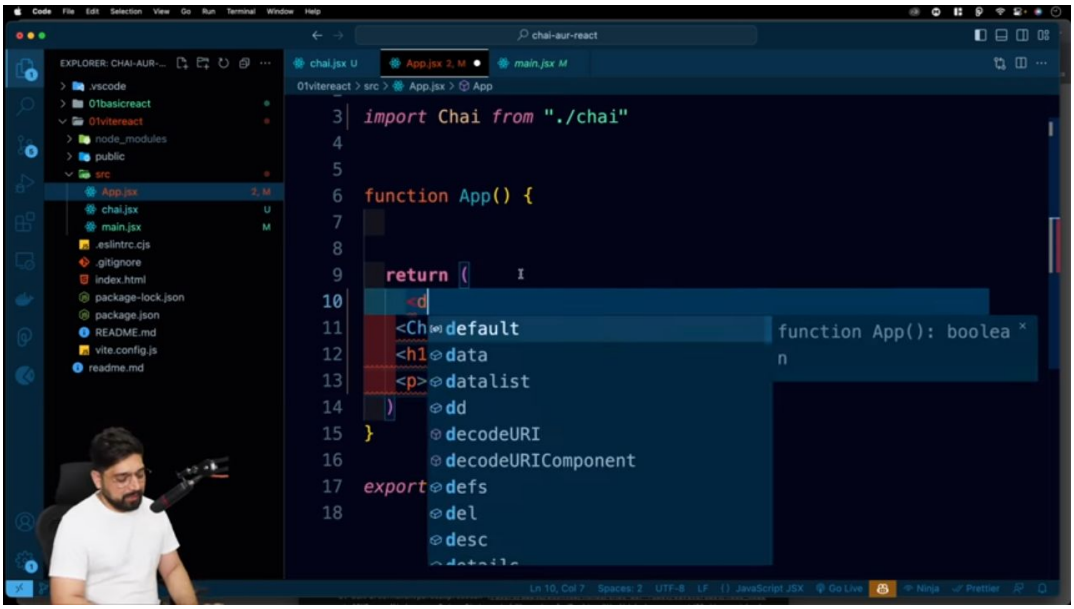
1:13:58

- react function lay rah hai or function k underunder html readnder kar wa rah hai

1:17:44

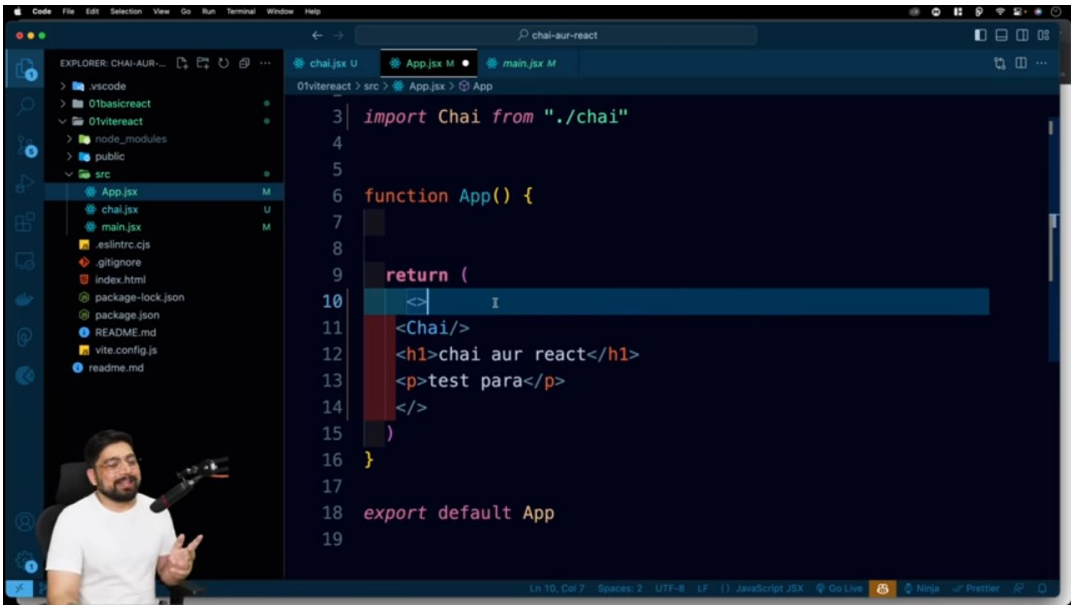
funtion ka name capital main hona chahya

1:25:14



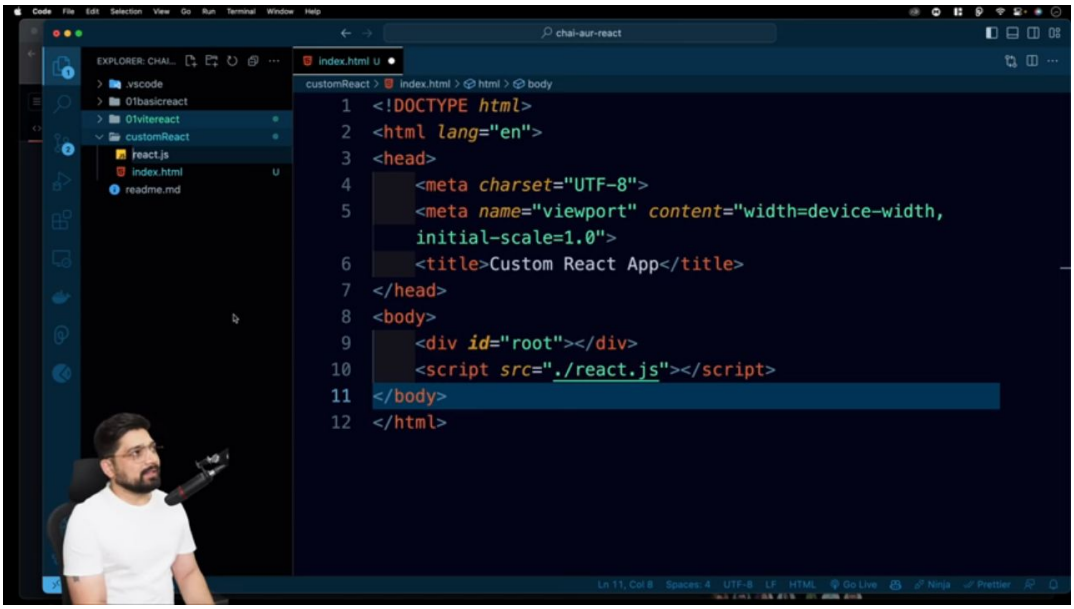
ek he element export kar saktya ho

1:29:31

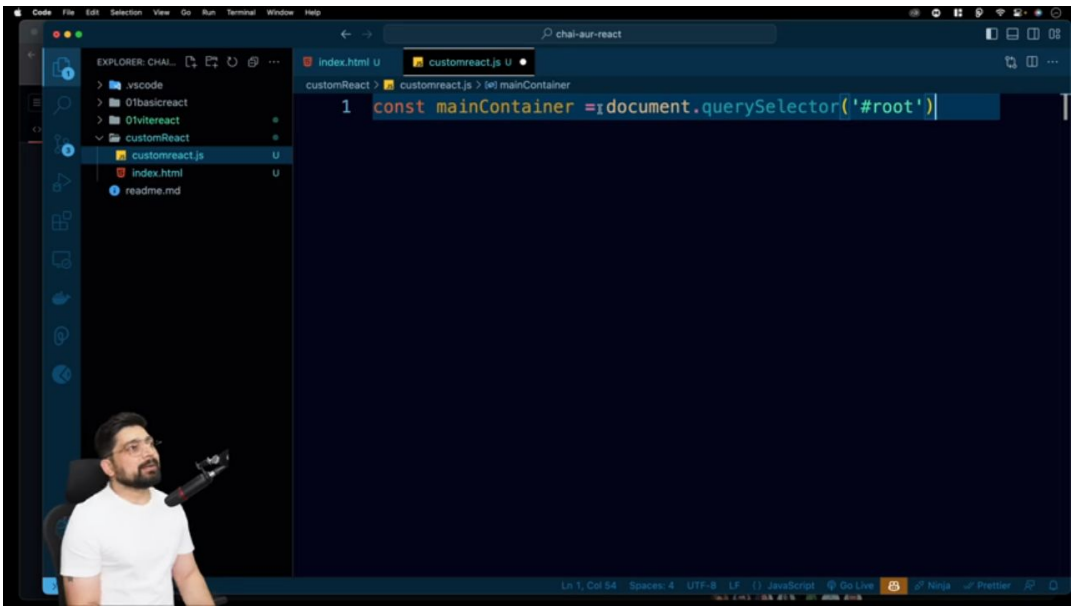


fragment return kar nay say issue resolve hojata hai

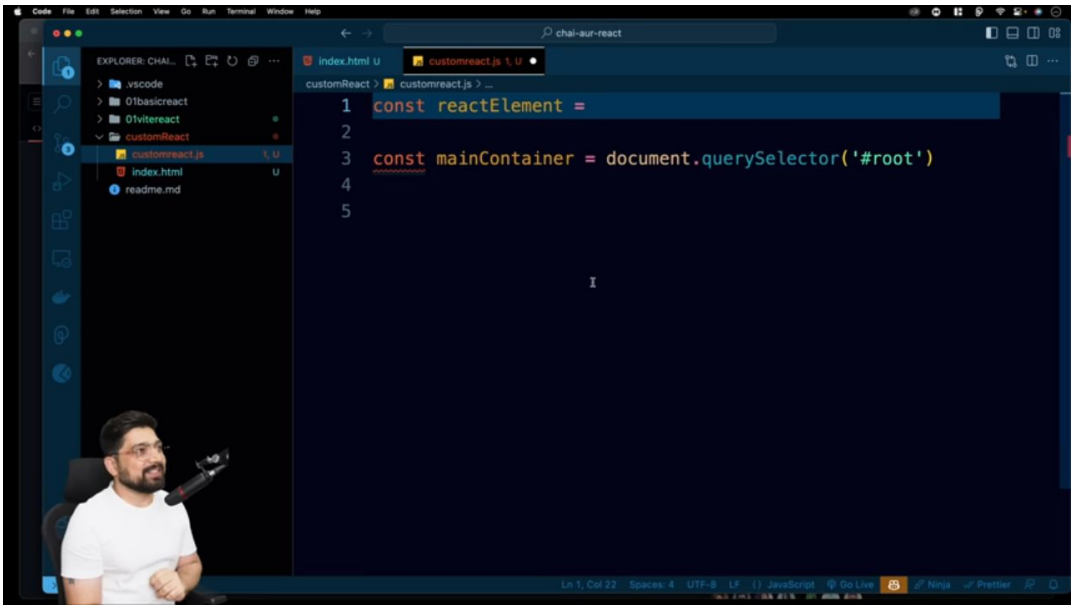
1:29:58


chai-aur-react
EXPLORER: CHAI...
.vscode
01basicreact
01viterreact
customReact
react.js
index.html
readme.md
index.html U
customReact > index.html > html > body
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta name="viewport" content="width=device-width,
initial-scale=1.0">
6 <title>Custom React App</title>
7 </head>
8 <body>
9
10 <script src="./react.js"></script>
11 </body>
12 </html>

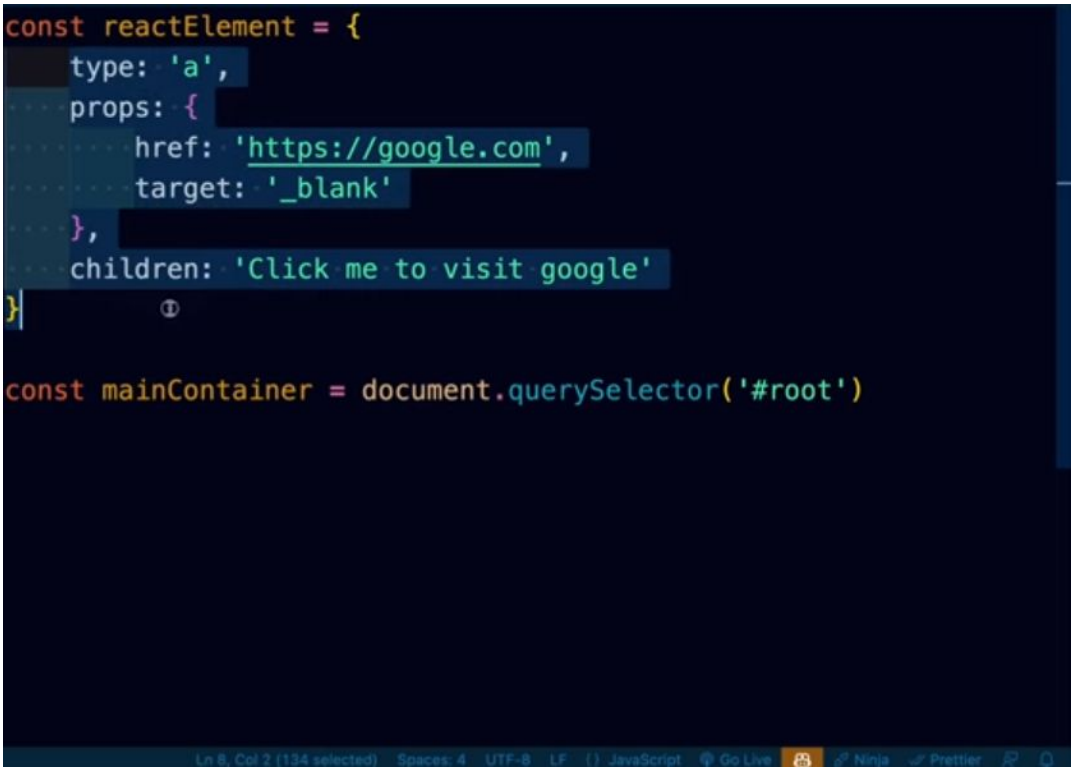
1:45:17


chai-aur-react
EXPLORER: CHAI...
.vscode
01basicreact
01viterreact
customReact
customreact.js
index.html
readme.md
index.html U
customreact.js U
customReact > customreact.js > mainContainer
1 const mainContainer = document.querySelector('#root')

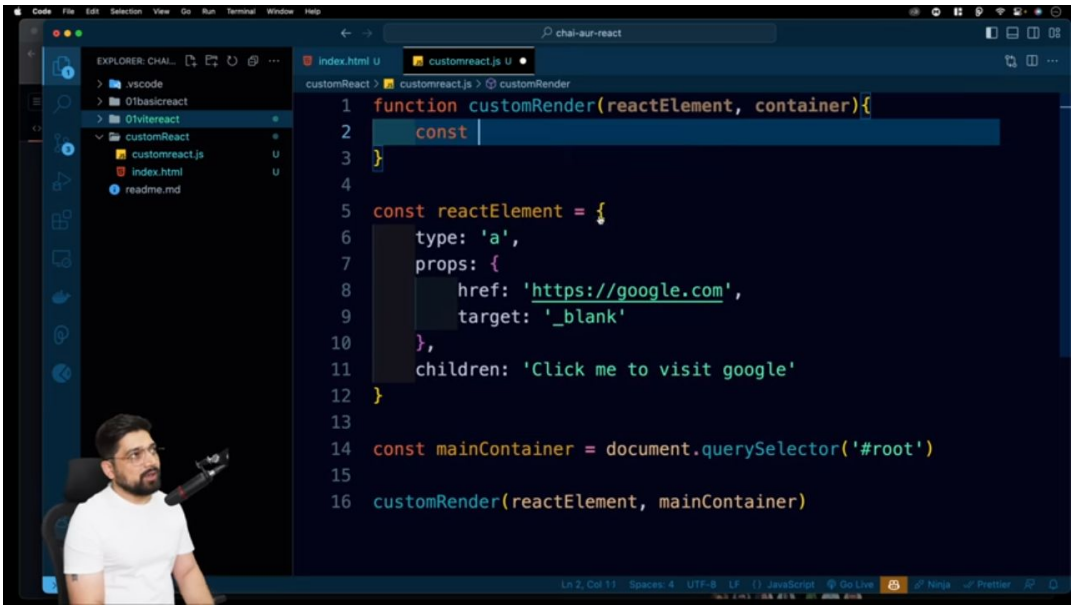
1:46:07


chai-aur-react
EXPLORER: CHAI...
.vscode
01basicreact
01viterreact
customReact
customreact.js
index.html
readme.md
index.html U
customreact.js 1, U
customReact > customreact.js > ...
1 const reactElement =
2
3 const mainContainer = document.querySelector('#root')
4
5

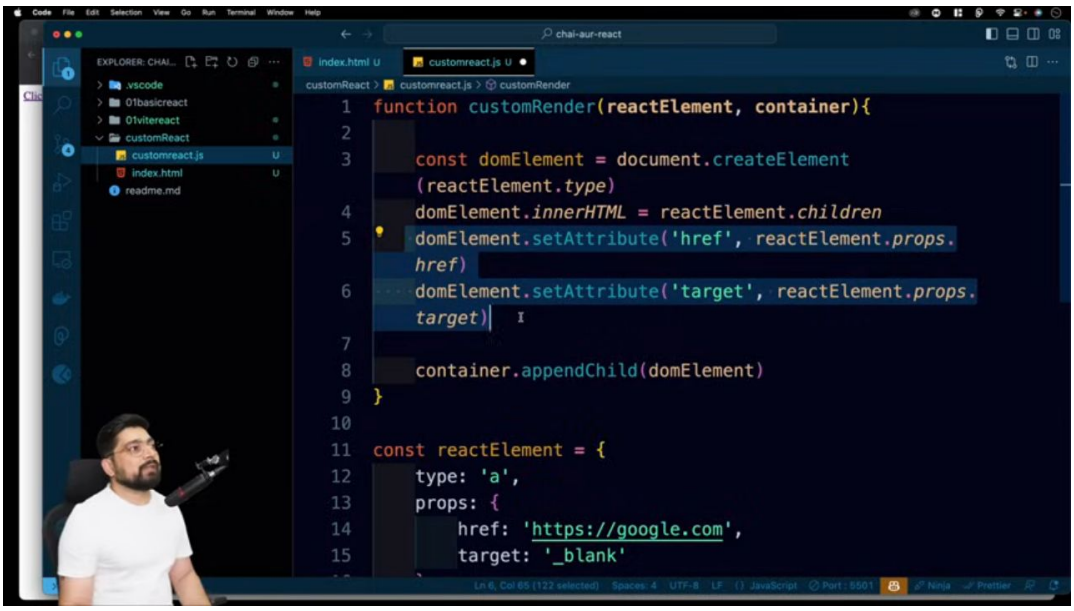
1:47:25


const reactElement = {
type: 'a',
props: {
href: 'https://google.com',
target: '_blank'
},
children: 'Click me to visit google'
}
const mainContainer = document.querySelector('#root')

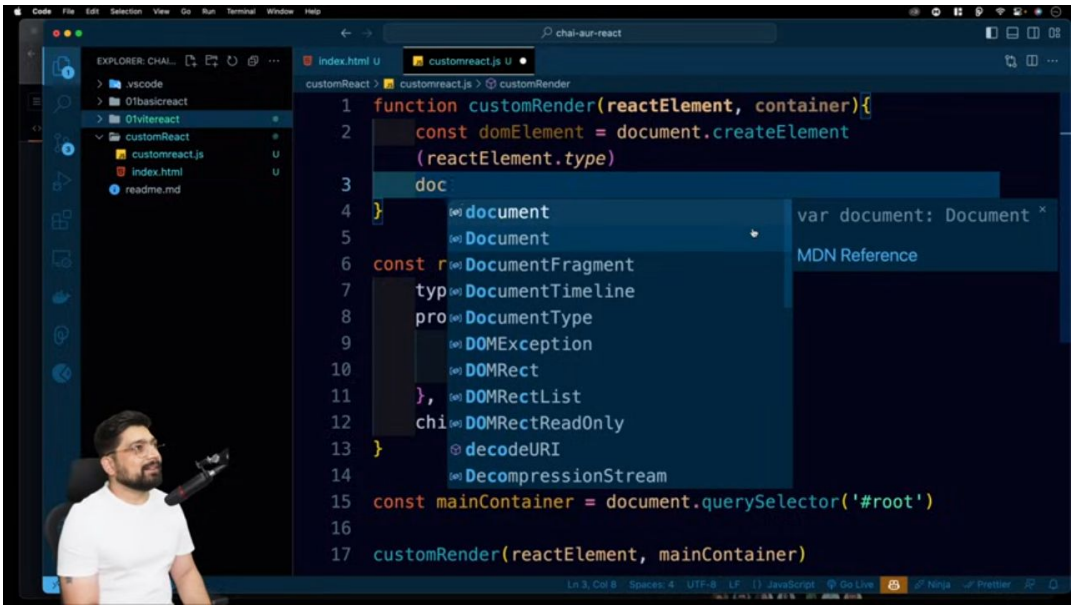
1:49:59


chai-aur-react
index.html
customreact.js
customReact > customreact.js > customRender
function customRender(reactElement, container){
const
}
const reactElement = {
type: 'a',
props: {
href: 'https://google.com',
target: '_blank'
},
children: 'Click me to visit google'
}
const mainContainer = document.querySelector('#root')
customRender(reactElement, mainContainer)

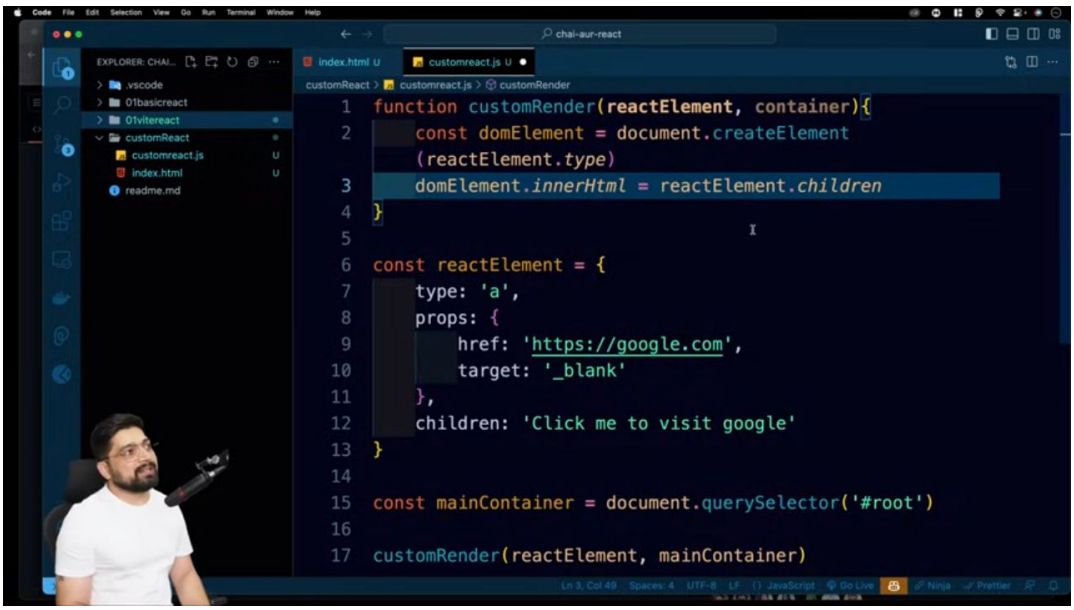
1:50:12


chai-aur-react
index.html
customreact.js
customReact > customreact.js > customRender
function customRender(reactElement, container){
const domElement = document.createElement
(reactElement.type)
domElement.innerHTML = reactElement.children
domElement.setAttribute('href', reactElement.props.
href)
domElement.setAttribute('target', reactElement.props.
target)
container.appendChild(domElement)
}
const reactElement = {
type: 'a',
props: {
href: 'https://google.com',
target: '_blank'

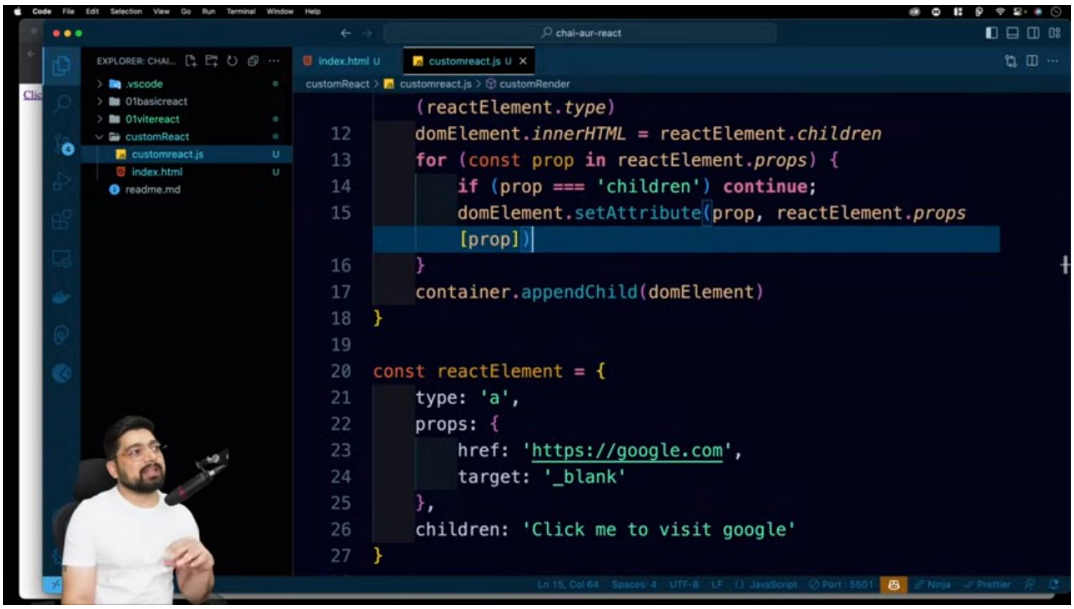
1:50:16


chai-aur-react
EXPLORER: CHAI...
.vscode
01basicreact
01vitereact
customReact
customreact.js
index.html
readme.md
index.html U
customreact.js U
customReact > customreact.js > customRender
function customRender(reactElement, container){
const domElement = document.createElement
(reactElement.type)
doc
}
document
Document
DocumentFragment
DocumentTimeline
DocumentType
DOMException
DOMRect
DOMRectList
DOMRectReadOnly
decodeURI
DecompressionStream
var document: Document
MDN Reference
const mainContainer = document.querySelector('#root')
customRender(reactElement, mainContainer)

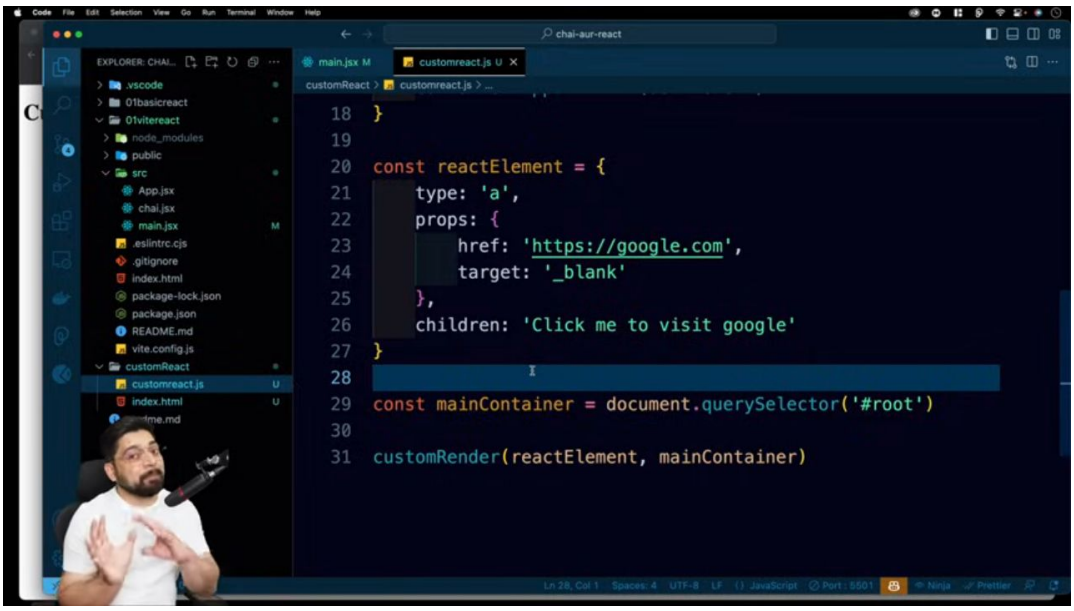
1:52:35


chai-aur-react
EXPLORER: CHAI...
.vscode
01basicreact
01vitereact
customReact
customreact.js
index.html
readme.md
index.html U
customreact.js U
customReact > customreact.js > customRender
function customRender(reactElement, container){
const domElement = document.createElement
(reactElement.type)
domElement.innerHtml = reactElement.children
}
const reactElement = {
type: 'a',
props: {
href: 'https://google.com',
target: '_blank'
},
children: 'Click me to visit google'
}
const mainContainer = document.querySelector('#root')
customRender(reactElement, mainContainer)

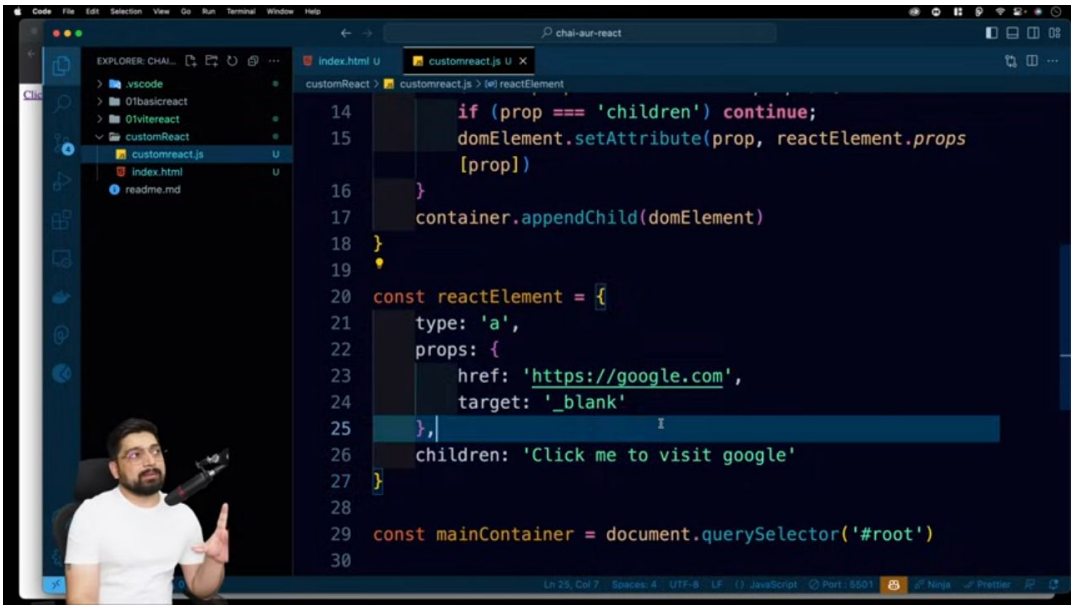
1:53:07


chai-aur-react
index.html
customreact.js
customReact > customreact.js > customRender
(reactElement.type)
domElement.innerHTML = reactElement.children
for (const prop in reactElement.props) {
if (prop === 'children') continue;
domElement.setAttribute(prop, reactElement.props
[prop])
}
container.appendChild(domElement)
}
const reactElement = {
type: 'a',
props: {
href: 'https://google.com',
target: '_blank'
},
children: 'Click me to visit google'
}

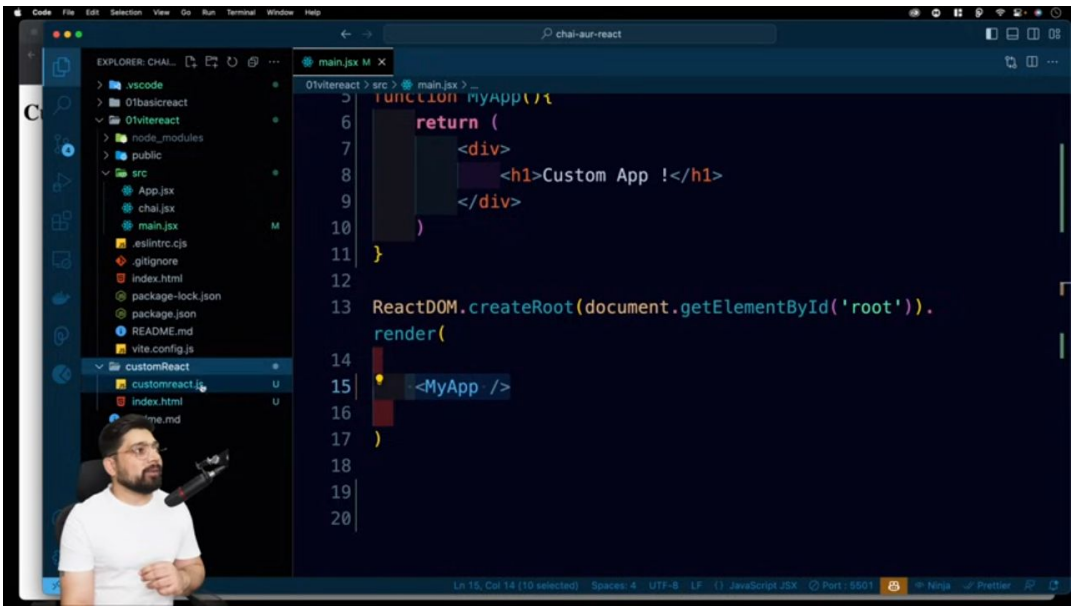
1:55:32


chai-aur-react
main.jsx
customreact.js
customReact > customreact.js > ...
}
const reactElement = {
type: 'a',
props: {
href: 'https://google.com',
target: '_blank'
},
children: 'Click me to visit google'
}
const mainContainer = document.querySelector('#root')
customRender(reactElement, mainContainer)

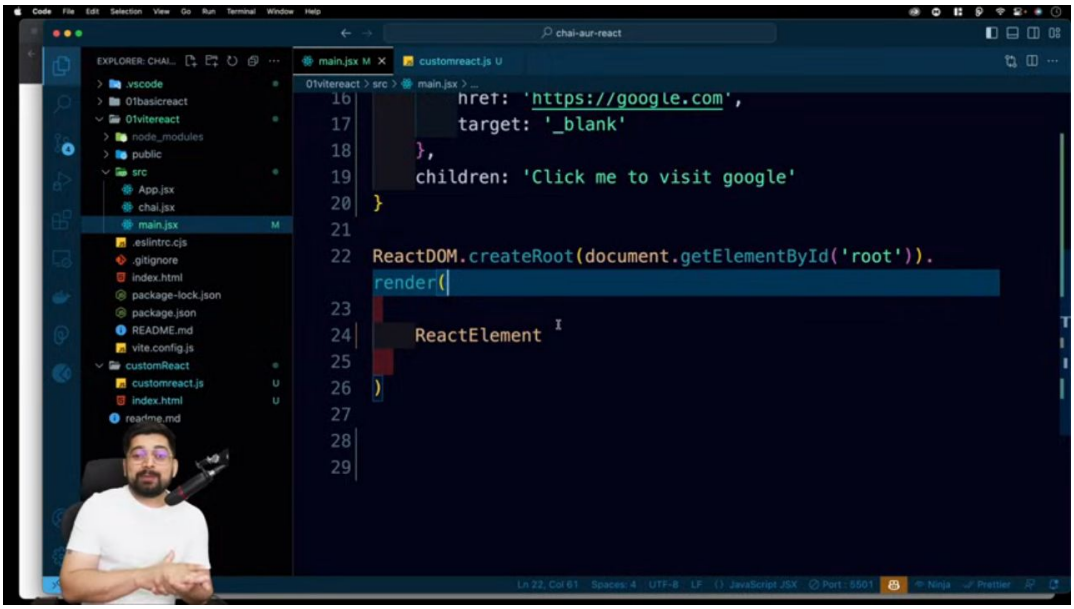
1:59:44


chai-aur-react
index.html
customreact.js
customReact > customreact.js > reactElement
14 if (prop === 'children') continue;
15 domElement.setAttribute(prop, reactElement.props
[prop])
16 }
17 container.appendChild(domElement)
18 }
19
20 const reactElement = {
21 type: 'a',
22 props: {
23 href: 'https://google.com',
24 target: '_blank'
25 },
26 children: 'Click me to visit google'
27 }
28
29 const mainContainer = document.querySelector('#root')
30

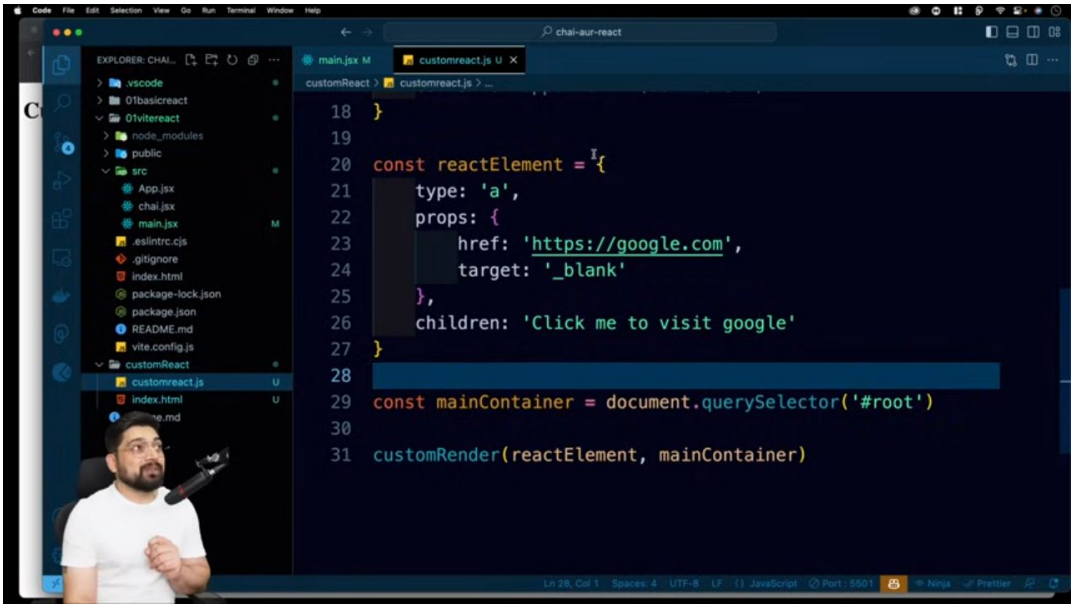
2:00:15


chai-aur-react
main.jsx
01viterect > src > main.jsx
6 return (
7
8 <h1>Custom App !</h1>
9
10)
11 }
12
13 ReactDOM.createRoot(document.getElementById('root')).
render(
14
15 <MyApp />
16
17)
18
19
20

2:00:48



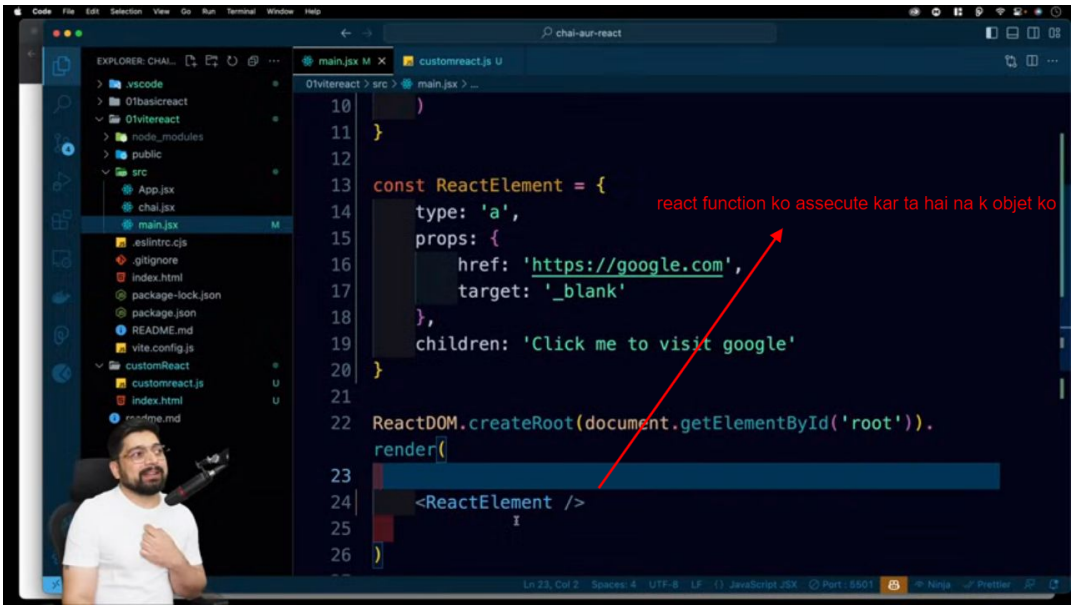
2:02:30



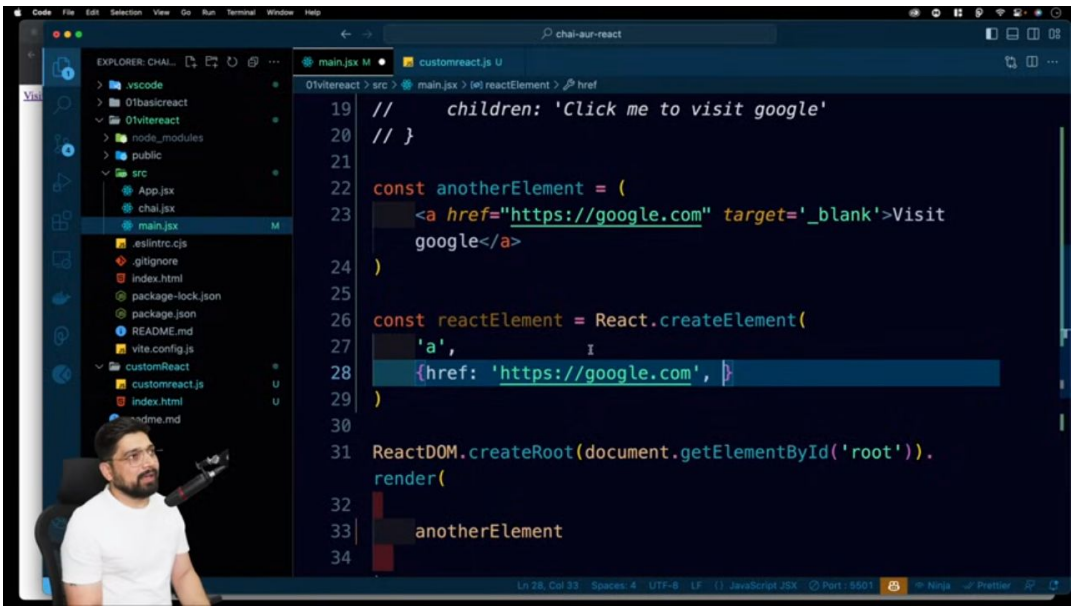
2:03:04

<App /> ka tage kahn say aey rah hai ya aey rah hai bundler say jo is

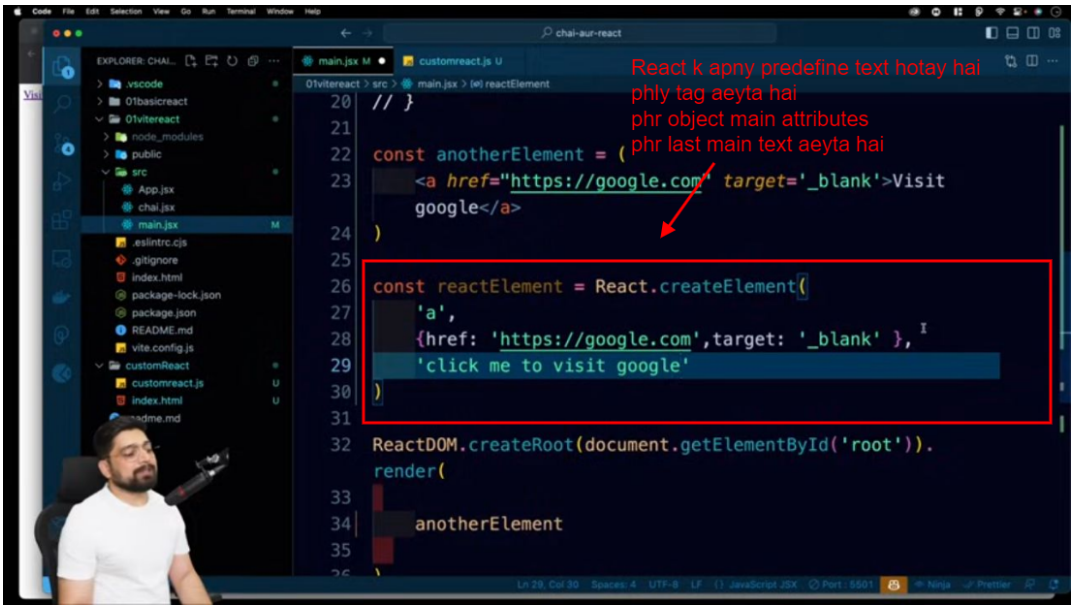
2:03:30


react function ko assecute kar ta hai na k objet ko
const ReactElement = {
type: 'a',
props: {
href: 'https://google.com',
target: '_blank'
},
children: 'Click me to visit google'
}
ReactDOM.createRoot(document.getElementById('root')).
render(
<ReactElement />
)

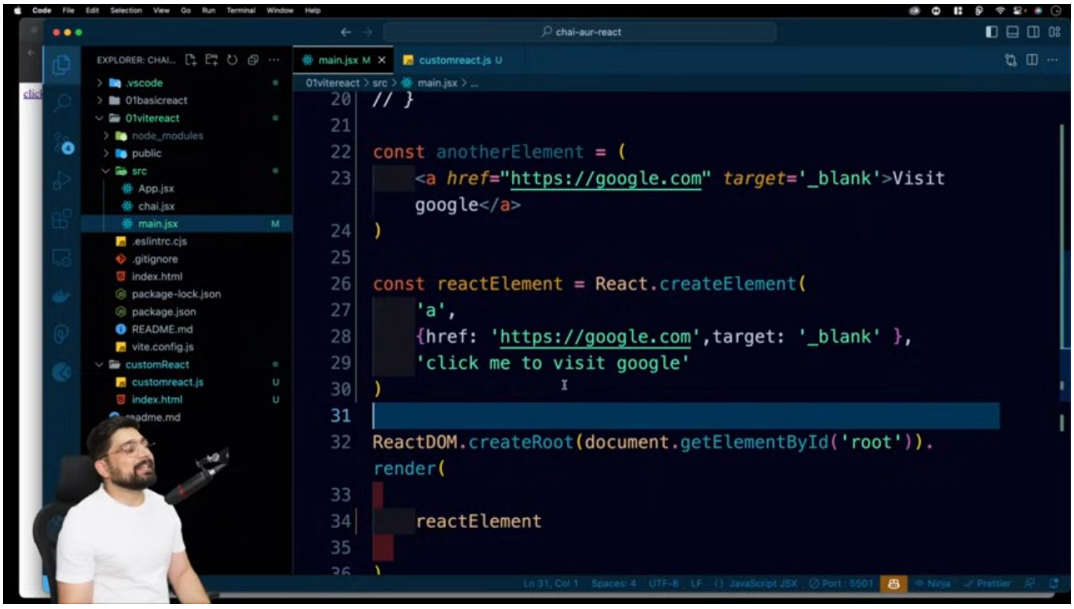
2:06:08


// children: 'Click me to visit google'
// }
const anotherElement = (
Visit google
)
const reactElement = React.createElement(
'a',
{href: 'https://google.com', }
)
ReactDOM.createRoot(document.getElementById('root')).
render(
anotherElement

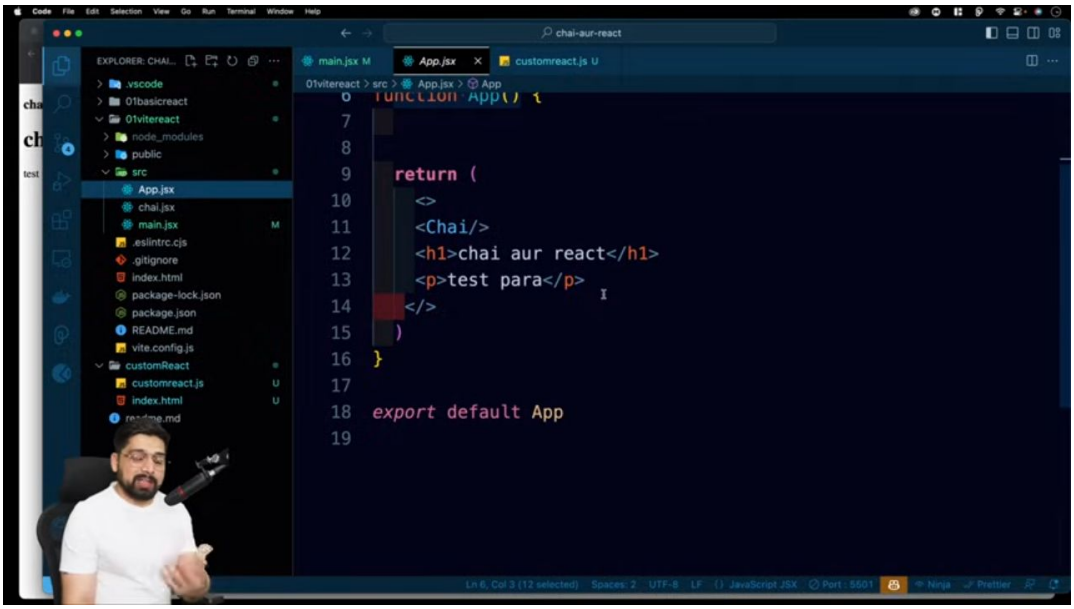
2:11:10


React k apny predefine text hotay hai
phly tag aeyta hai
phr object main attributes
phr last main text aeyta hai
// }
const anotherElement = (
Visit google
)
const reactElement = React.createElement(
'a',
{href: 'https://google.com',target: '_blank' },
'click me to visit google'
)
ReactDOM.createRoot(document.getElementById('root')).render(
anotherElement

2:13:59


// }
const anotherElement = (
Visit google
)
const reactElement = React.createElement(
'a',
{href: 'https://google.com',target: '_blank' },
'click me to visit google'
)
ReactDOM.createRoot(document.getElementById('root')).render(
reactElement

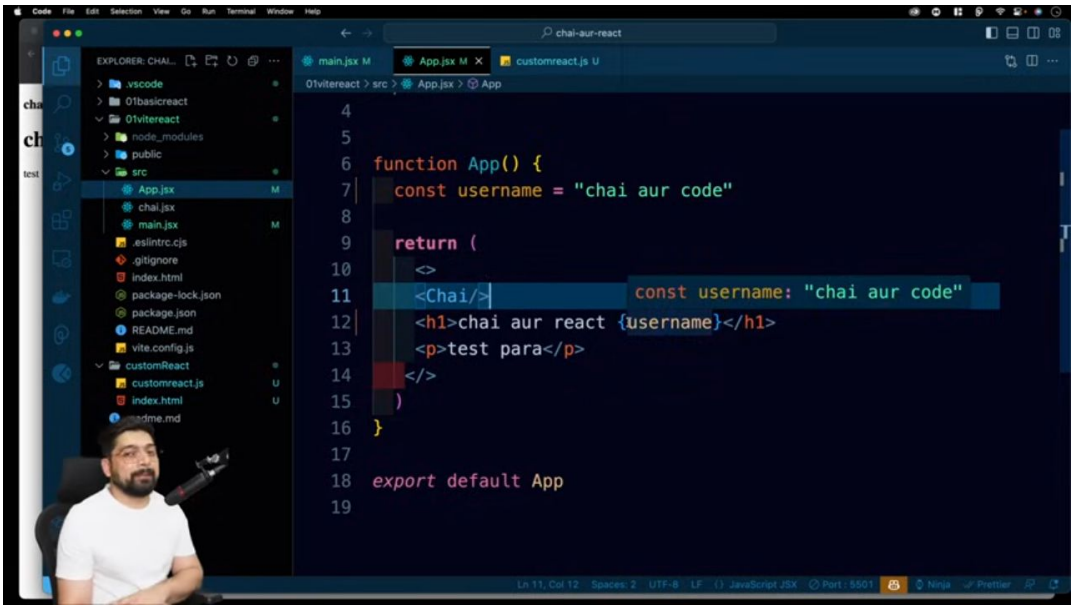
2:14:48



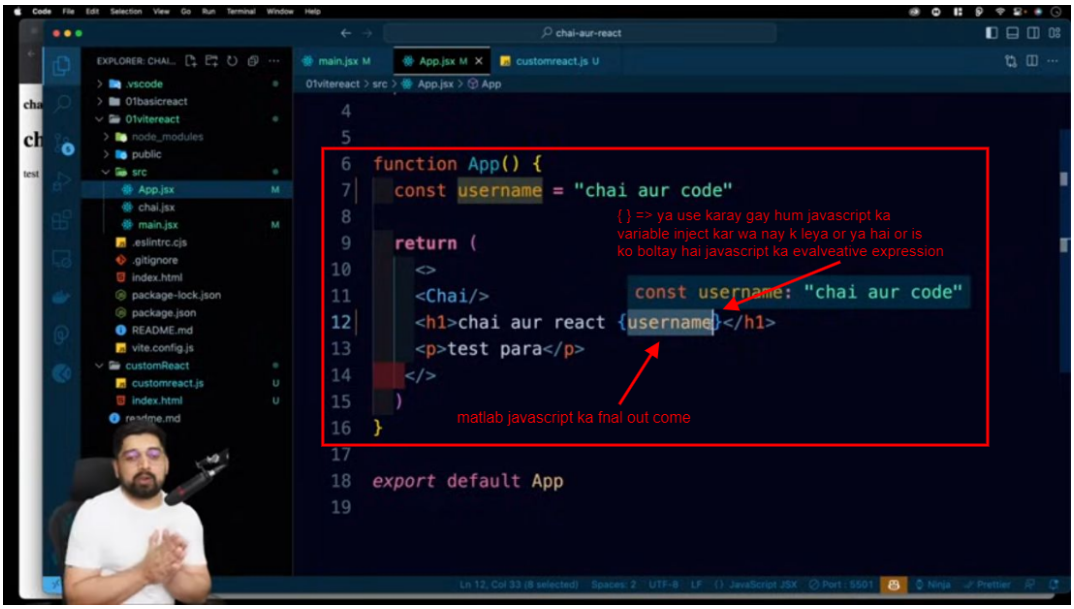
2:15:24

javascript kasay inject ho gi jsx main?

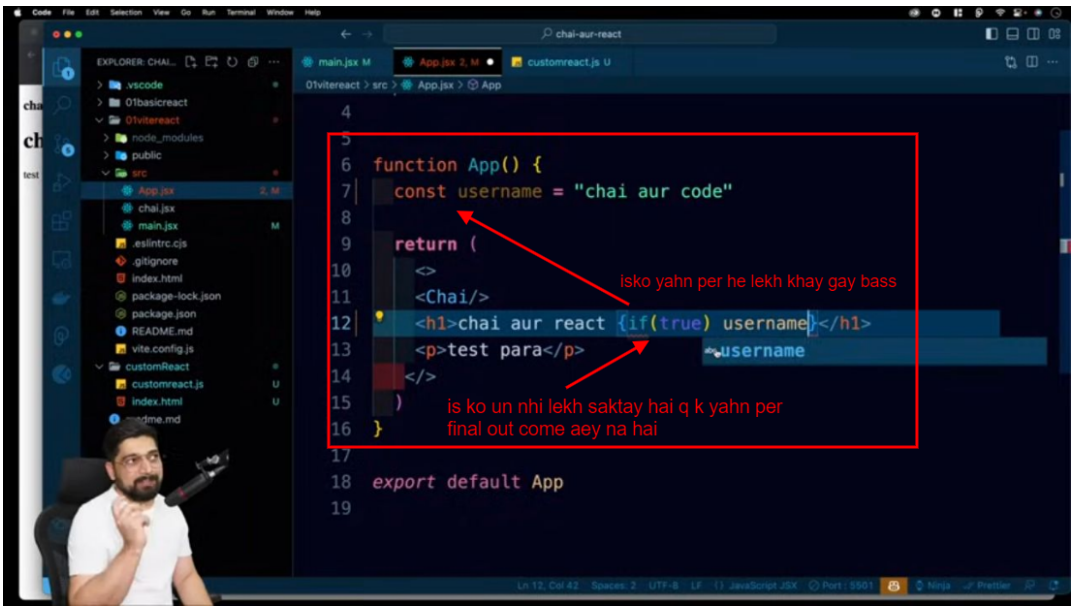
2:15:50



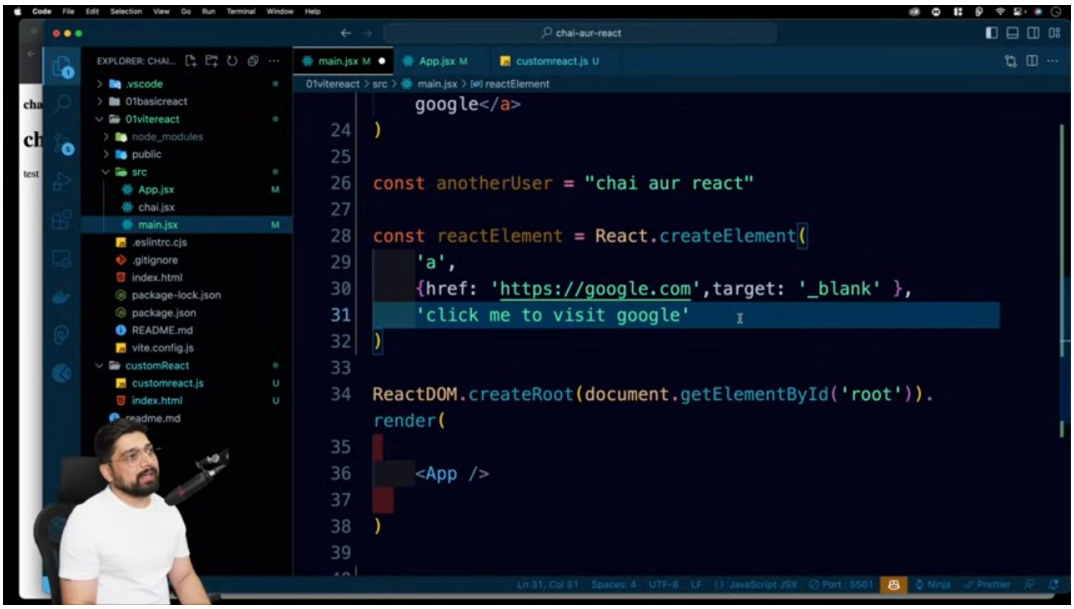
2:16:32


function App() {
const username = "chai aur code"
return (
<Chai/>
<h1>chai aur react {username}</h1>
test para
)
}
export default App
{ } => ya use karay gay hum javascript ka variable inject kar wa nay k leya or ya hai or is ko boltay hai javascript ka evalveative expression
const username: "chai aur code"
matlab javascript ka final out come

2:16:45


function App() {
const username = "chai aur code"
return (
<Chai/>
<h1>chai aur react {if(true) username}</h1>
test para
)
}
export default App
isko yahn per he lekh khay gay bass
username
is ko un nhi lekh saktay hai q k yahn per final out come aey na hai

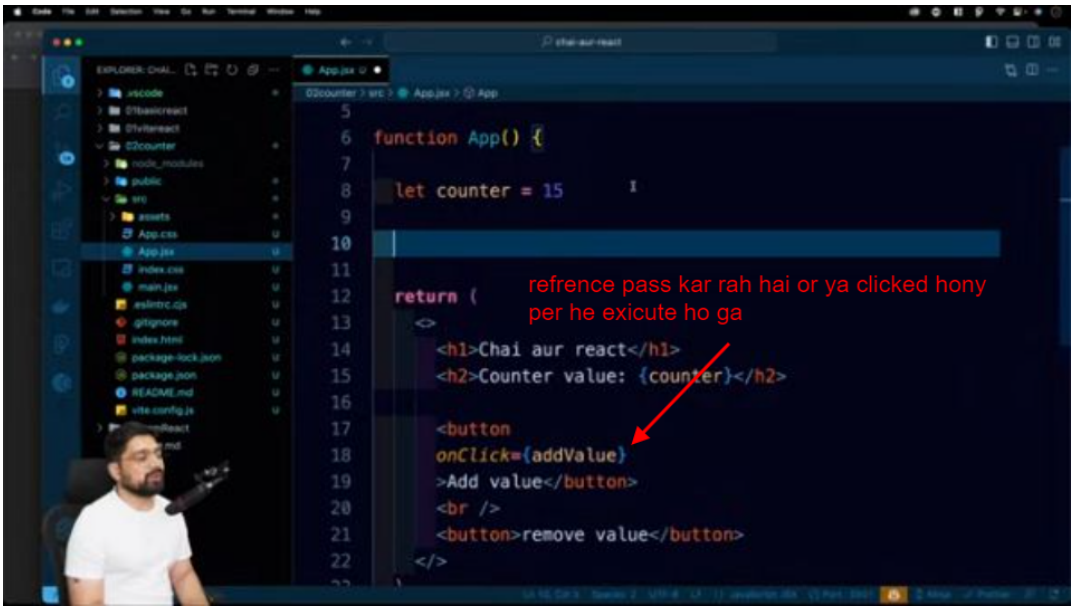
2:17:10



2:18:22

babale transpilaor behande the scen work karta haii react main

2:23:28



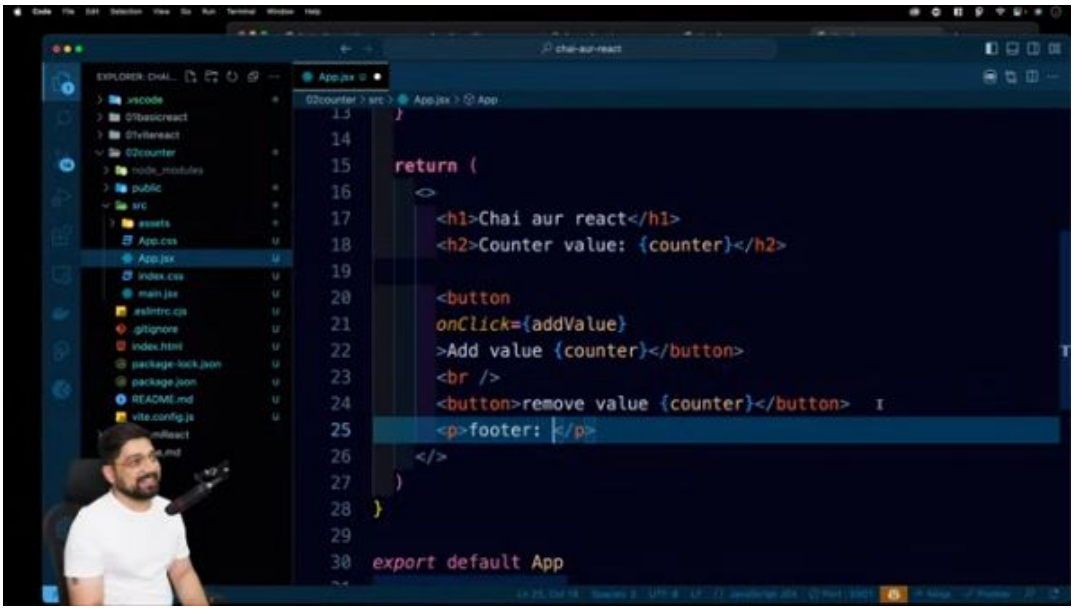
2:34:27

react main problem aeyti hai UI updataion main

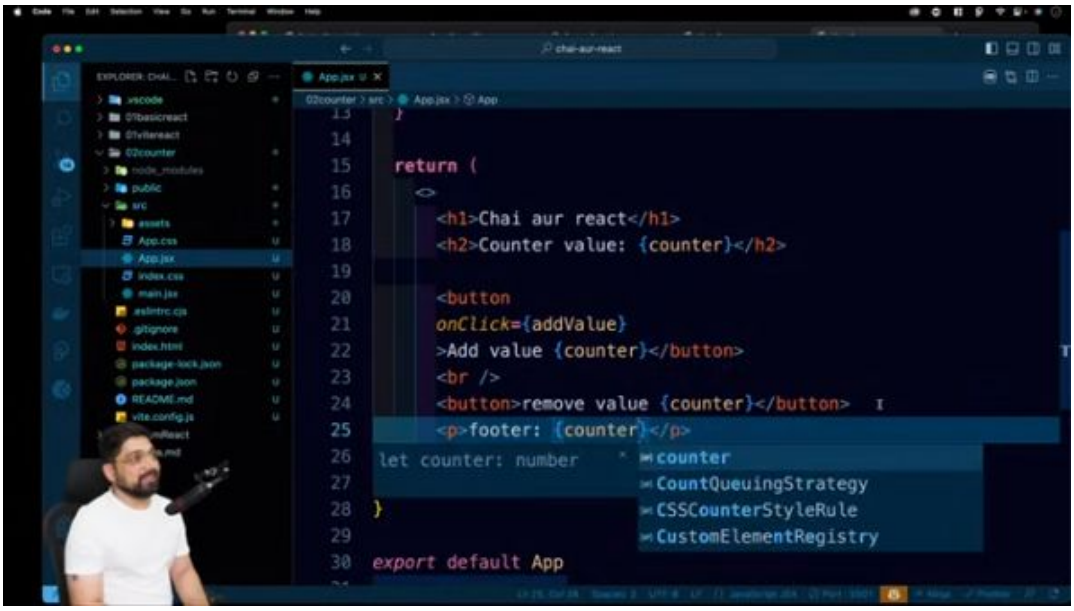
2:38:23

react, react karti hai ui ki updation pee

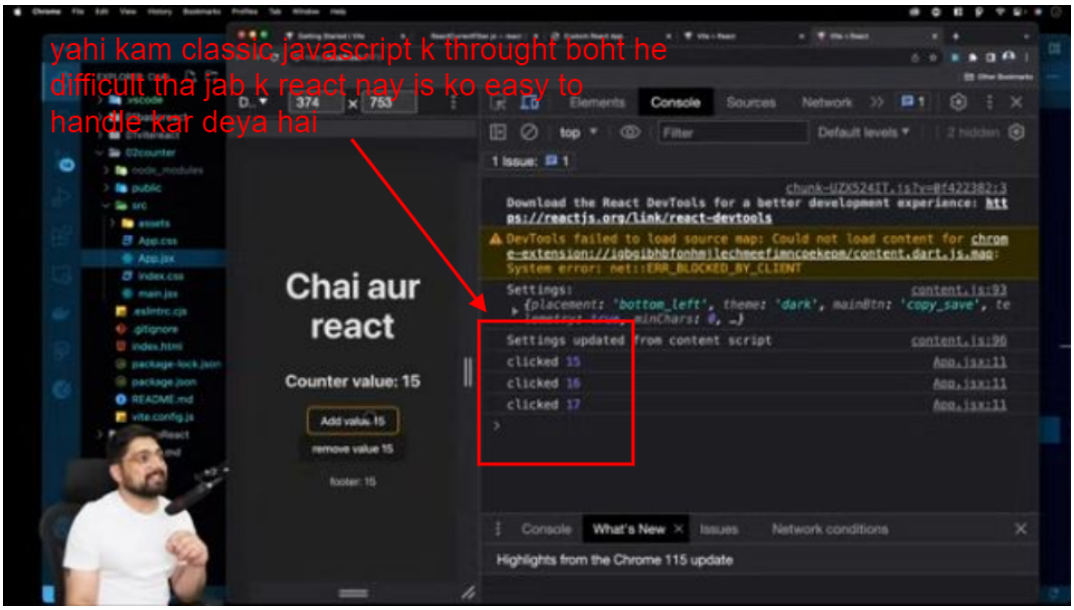
2:38:48



2:39:21



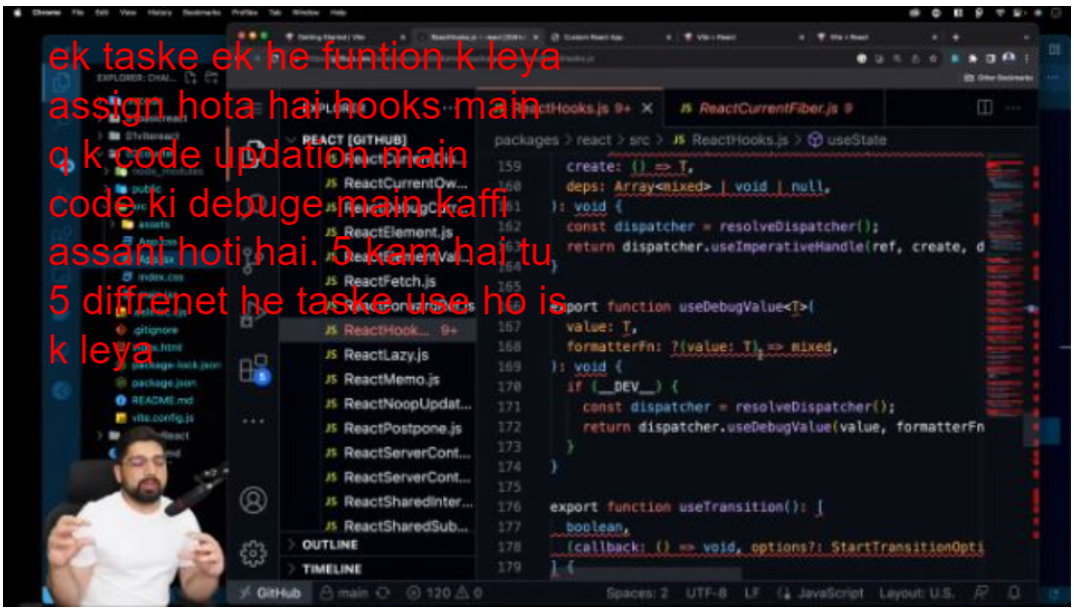
2:39:25



2:39:38

hooks k through he UI main data updation hoti hai react mia

2:40:25



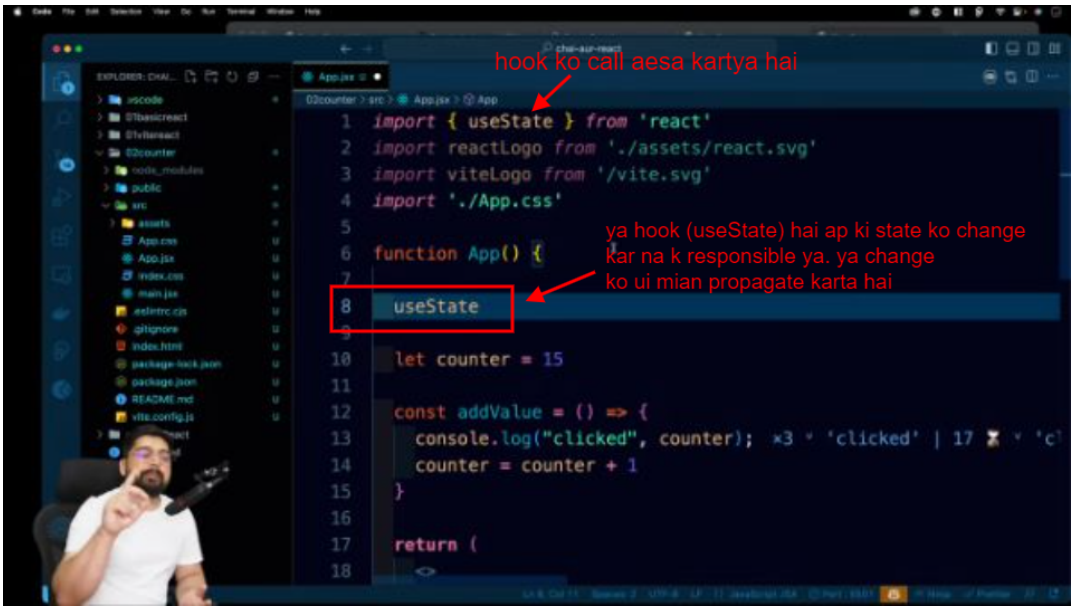
2:41:52

react/packages/react/src/ReactHooks.js at main · facebook/react

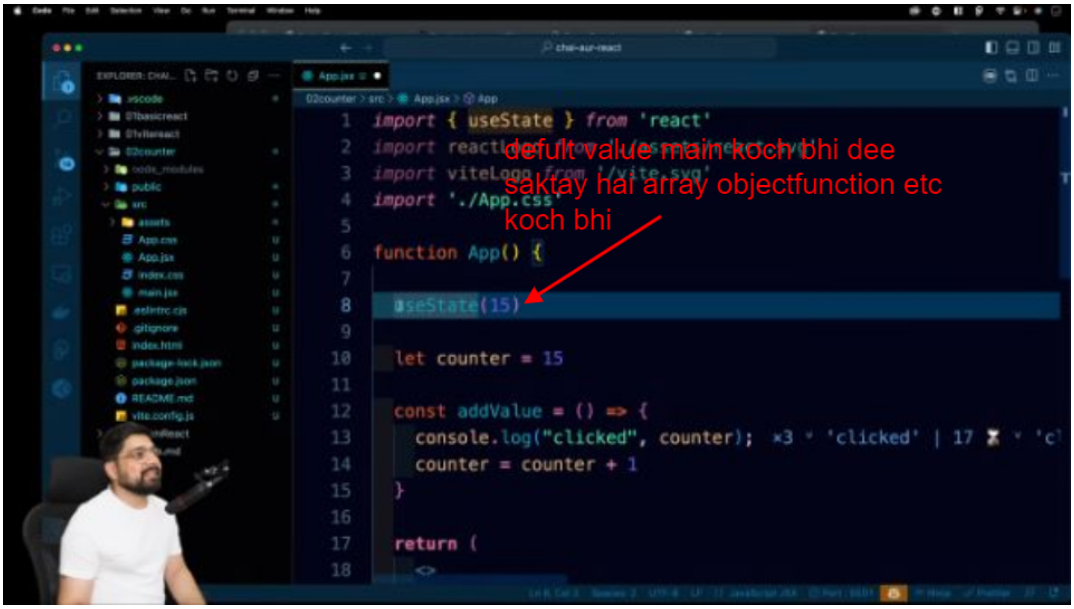
2:42:00

hook usestate ki waja say aey ta hai

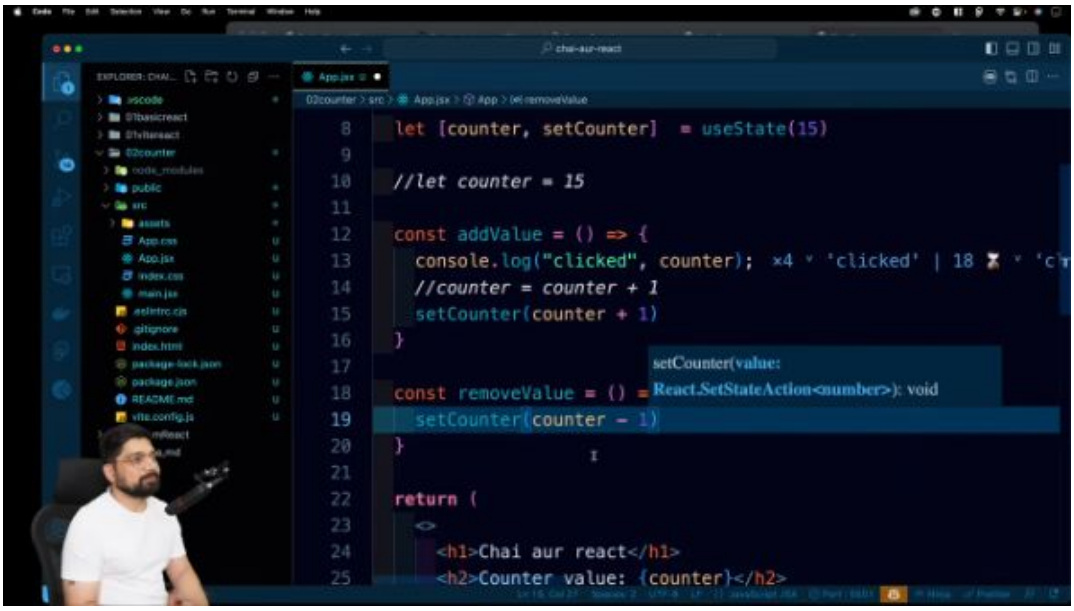
▷ 2:43:00



▷ 2:44:00



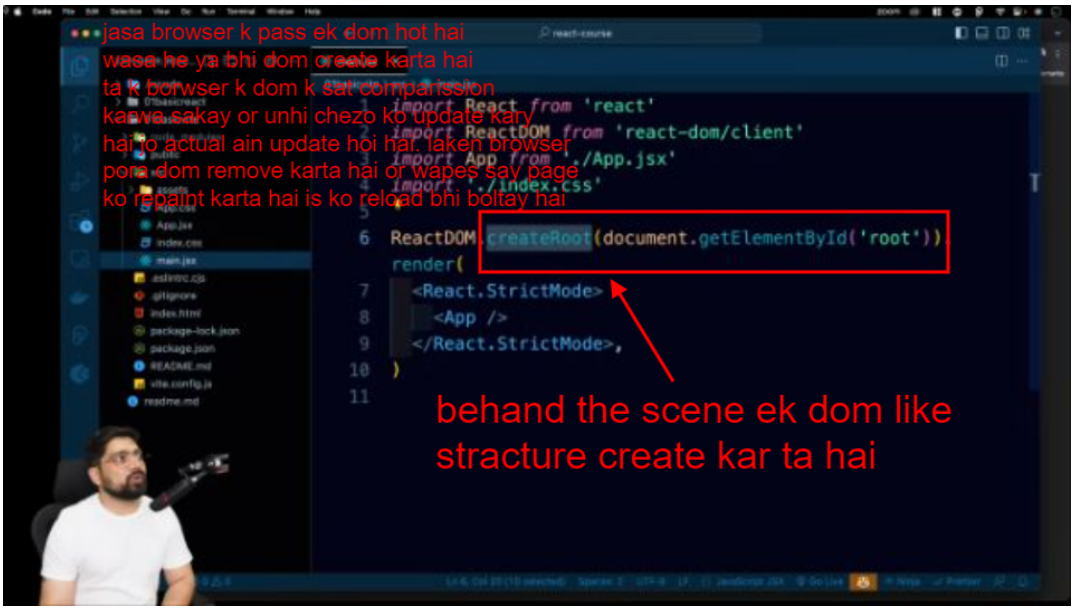
▷ 2:45:12


let [counter, setCounter] = useState(15)
//let counter = 15
const addValue = () => {
console.log("clicked", counter);
//counter = counter + 1
setCounter(counter + 1)
}
const removeValue = () =>
setCounter(counter - 1)
}
return (
<>
<h1>Chai aur react</h1>
<h2>Counter value: {counter}</h2>
setCounter(value:
React.SetStateAction<number>): void

2:51:46


virtual DOM

2:56:29



2:59:00

virtual dom ko pora ka pora trase kar sakty ho tree like structure main or jo jo values change hoi hai us ko dom say nekal kar wapess laga do

2:59:48