

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORT

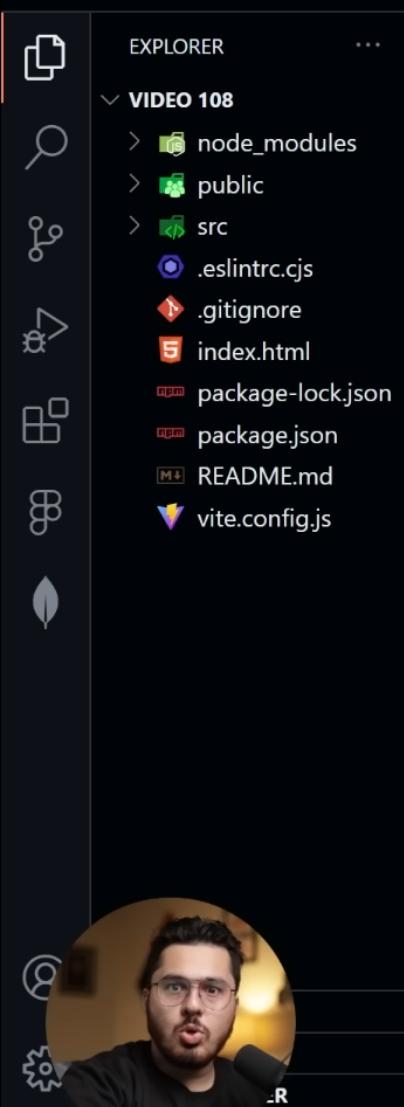
```
✓ Project name: ... project
✓ Select a framework: » React
✓ Select a variant: » JavaScript
```

Scaffolding project in C:\Users\iitja\Downloads\Sigma Web Development Course\Sigma-Web-Dev-Course\Video 108\project...

Done. Now run

```
cd project  
npm install  
npm run dev
```

PS C:\Users\iitia\Downloads\Sigma Web Development Course\Sigma-Web-Dev-Course\Video 108> code -r project



EXPLORER

◀ VIDEO 108

- > node_modules
- > public
- > src
- .eslintrc.cjs
- ❖ .gitignore
- index.html
- npm package-lock.json
- npm package.json
- M README.md
- V vite.config.js

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
npm install  
npm run dev
```

● PS C:\Users\litiia\Downloads\Sigma Web Development Course\Sigma-Web-Dev-Course\Video 108 > **npm i**

added 270 packages, and audited 271 packages in 14s

97 packages are looking for funding
run `npm fund` for details

found 0 vulnerabilities

PS C:\Users\iitia\Downloads\Sigma Web Development Course\Sigma-Web-Dev-Course\Video 108> █





EXPLORER ...

VIDEO 108

- > node_modules
- > public
- src
 - > assets
 - App.css
 - App.jsx
 - index.css
 - main.jsx
- .eslintrc.cjs
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- package.json
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- vite.config.js

App.jsx

src > App.jsx > App

```
1 import { useState } from 'react'
2 import reactLogo from './assets/react.svg'
3 import viteLogo from '/vite.svg'
4 import './App.css'

5
6 function App() {
7   const [count, setCount] = useState(0)

8
9   useeff|
```

useEffect (ES7+ React/Redux/React-Native snippets)

```
useEffect(() => {
  first

  return () => {
    second
  }
}, [third])
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

7:36:04 pm [vite] hmr update /src/App.jsx



Ln 9, Col 9 Spaces: 2 UTF-8 LF {} JavaScript JSX

16°C Cloudy

File Edit Selection View Go ... ⟲ ⟳ Video 108

React Hook

EXPLORER ...

VIDEO 108

- > node_modules
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App.jsx

```
src > App.jsx > App
```

```
1 import { useState, useEffect } from 'react'
2 import reactLogo from './assets/react.svg'
3 import viteLogo from '/vite.svg'
4 import './App.css'

5
6 function App() {
7   const [count, setCount] = useState(0)

8
9   useEffect(() => {
10     alert("Hey welcome to my page")
11   }, [])
12
13
14   return (
15     <>
16       <div>
```

it runs whenever the component gets mounted
when nothing changes on the page.)

16°C Cloudy

Search

Spaces: 2 LF ENG IN Subscripted 19:37 Wed

EXPLORER ...

VIDEO 108

- > node_modules
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- vite.config.js



App.jsx x vite.config.js README.md package.json package-lock.json index.html main.jsx

src > App.jsx > App

```
5
6 function App() {
7   const [count, setCount] = useState(0)
8
9   useEffect(() => {
10     alert("Hey welcome to my page")
11   }, [])
12
13  useEffect(() => {
14    alert("Count was changed")
15  }, [count]) → triggers when count changes
16
17
18  return (
19    <>
20      <div>
```

Ln 15, Col 14 Spaces: 2 UTF-8 LF {} JavaScript JSX

EXPLORER ...

VIDEO 108

- > node_modules
- > public
- < src
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 - App.css
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- package.json
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- vite.config.js



src > main.jsx

```
1 import React from 'react'
2 import ReactDOM from 'react-dom/client'
3 import App from './App.jsx'
4 import './index.css'
5
6 ReactDOM.createRoot(document.getElementById('root')).render(
7   <React.StrictMode>
8     <App />
9   </React.StrictMode>,
10 )
11
```

Dev Environment
(2 times)

EXPLORER ...

VIDEO 108

- > node_modules
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- src
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 - components
 - Navbar.jsx
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App.jsx Navbar.jsx X index.html main.jsx

src > components > Navbar.jsx > [?] Navbar

```
1 import React, {useEffect} from 'react'
2
3 const Navbar = ({color}) => {
4   useEffect(() => {
5     alert("color was changed")
6   }, [color])
7
8   return (
9     <div>
10    | I am navbar of {color} color hehe..
11   </div>
12 )
13
14
15 export default Navbar
16
```



EXPLORER

VIDEO 108

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App.jsx

src > App.jsx > App

```
10  const [color, setColor] = useState(0) ← blue arrow
11
12  useEffect(() => {
13    alert("Hey welcome to my page")
14  }, [])
15
16  useEffect(() => {
17    alert("Count was changed")
18    setColor(color + 1) ← pink arrow
19  }, [count])
20
21  useEffect(() => {
22    alert("First was changed")
23  }, [first])
24
25
26  return (
27    <>
28      <Navbar color={"navy" + "blue" + color}/> ← pink arrow
```

Ln 28, Col 47 (42 selected)

Spaces: 2

UTF-8

LF

{ } JavaScript JSX

EXPLORER ...

VIDEO 108

- > node_modules
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App.jsx Navbar.jsx X index.html main.jsx

```
src > components > Navbar.jsx > Navbar
1 import React, { useEffect } from 'react'
2
3 const Navbar = ({ color }) => {
4   // Case 1: Run on every render
5   useEffect(() => {
6     alert("Hey I will run on every render")
7   })
8
9   // Case 2: Run only on first render
10  useEffect(() => {
11    alert("Hey welcome to my page. This is the first render")
12  }, [])
13
14   // Case 3: Run only when certain values change
15  useEffect(() => {
16    alert("Hey I am running because color was changed")
17  }, [color])
18
19  return (
20    <div>
21      I am navbar of {color} color hehe..
22    </div>
23  )
24
25
26 export default Navbar
27
```

EXPLORER ...

VIDEO 108

- > node_modules
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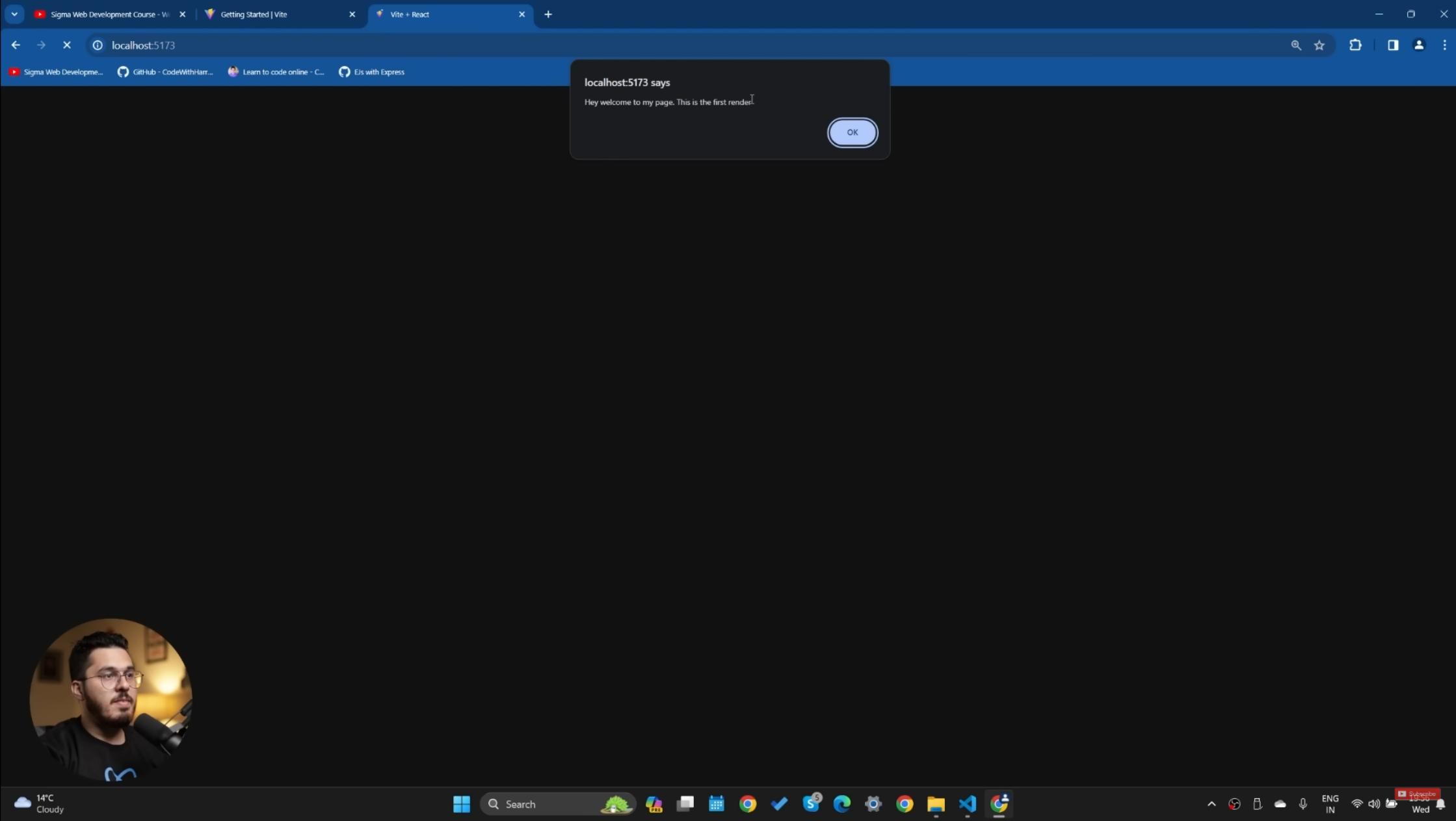
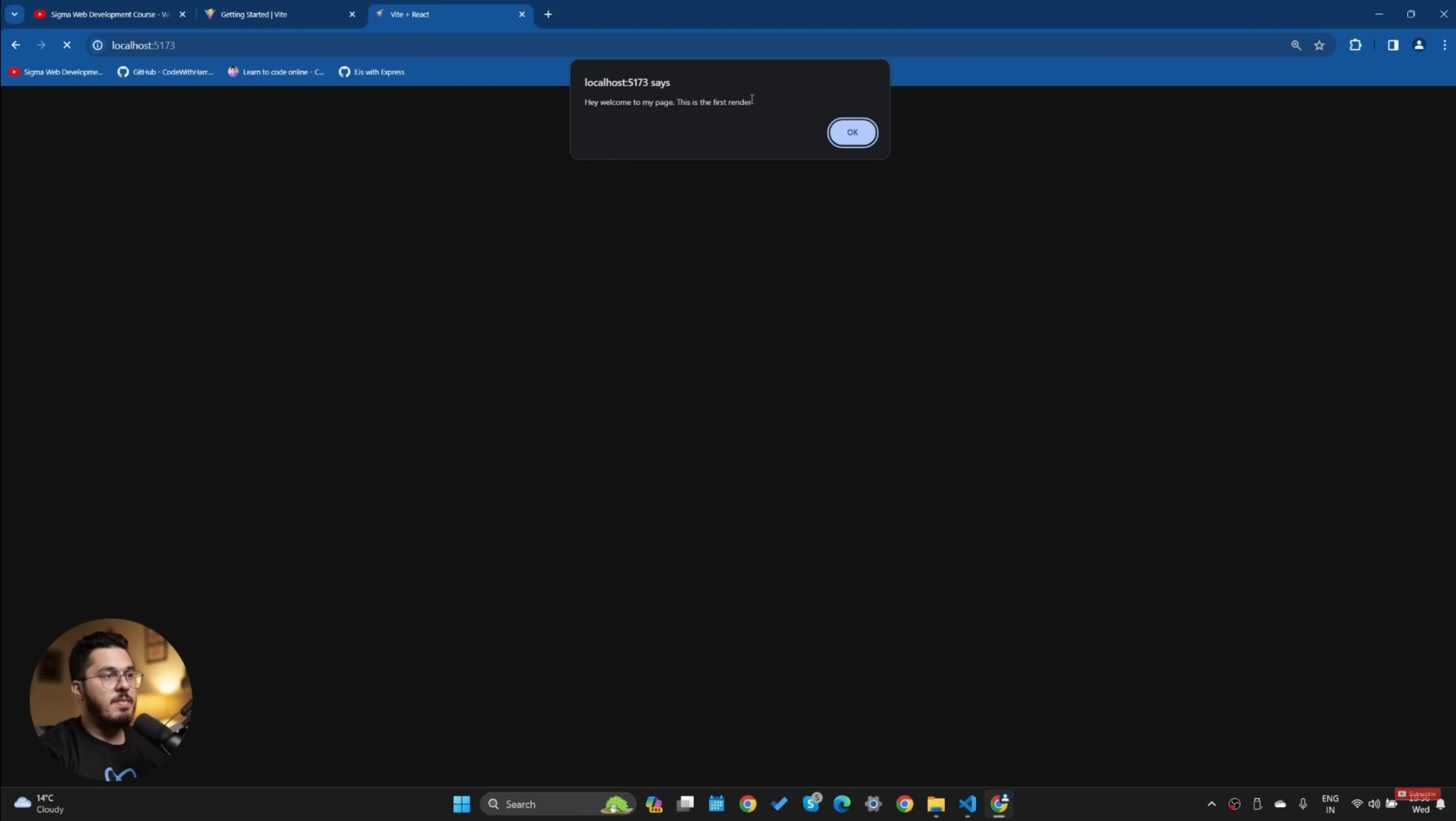


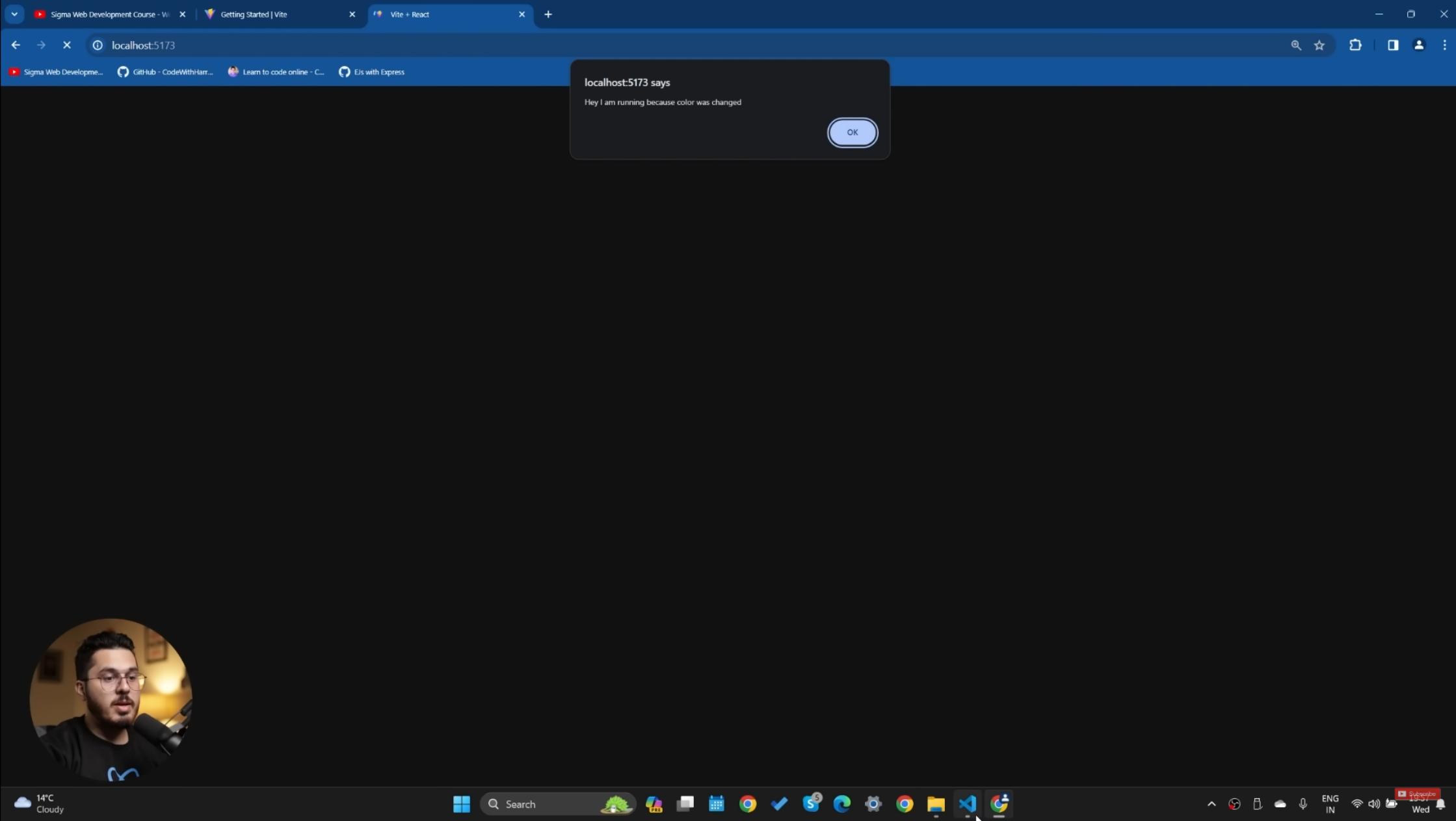
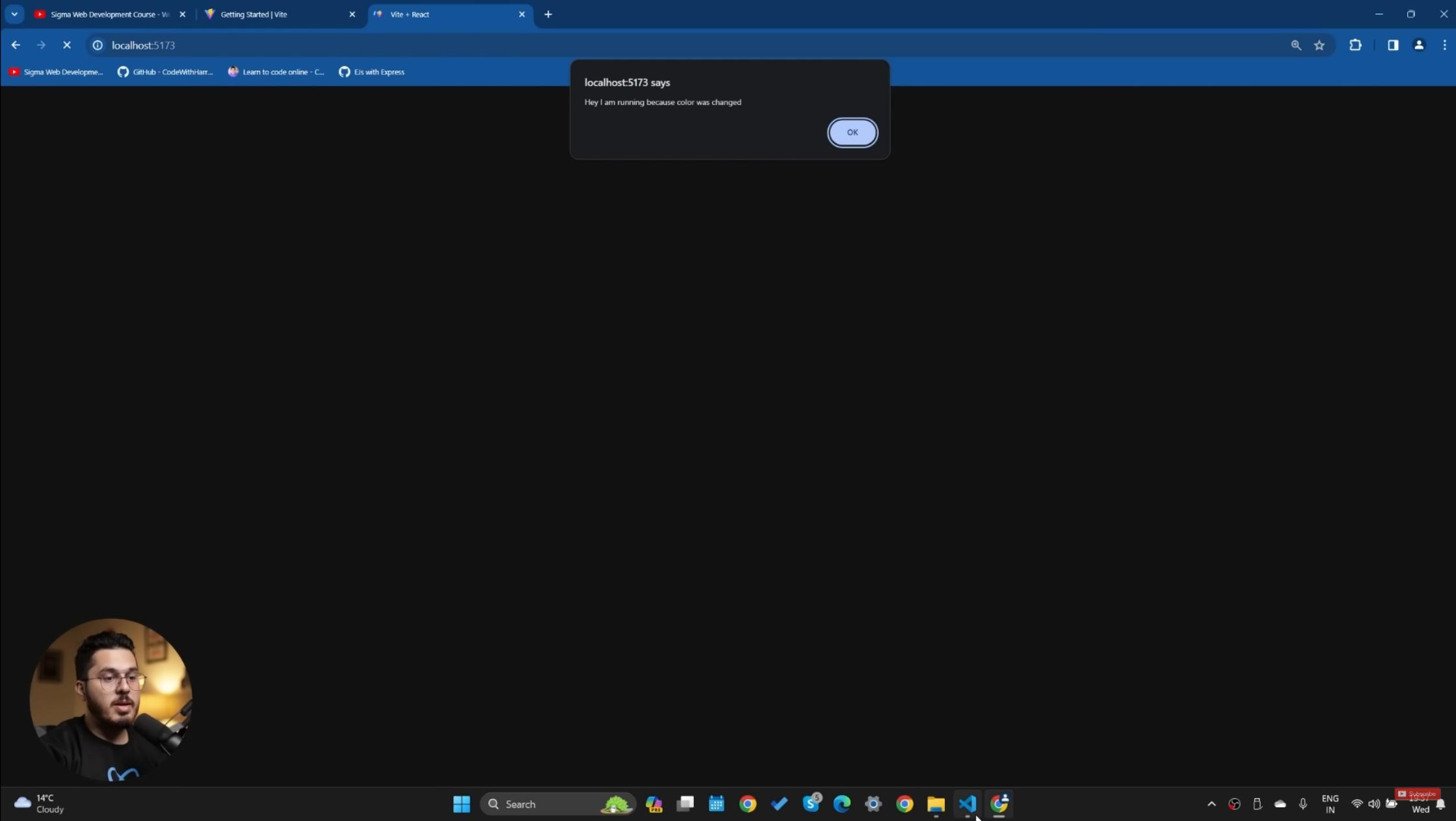
App.jsx x Navbar.jsx index.html main.jsx

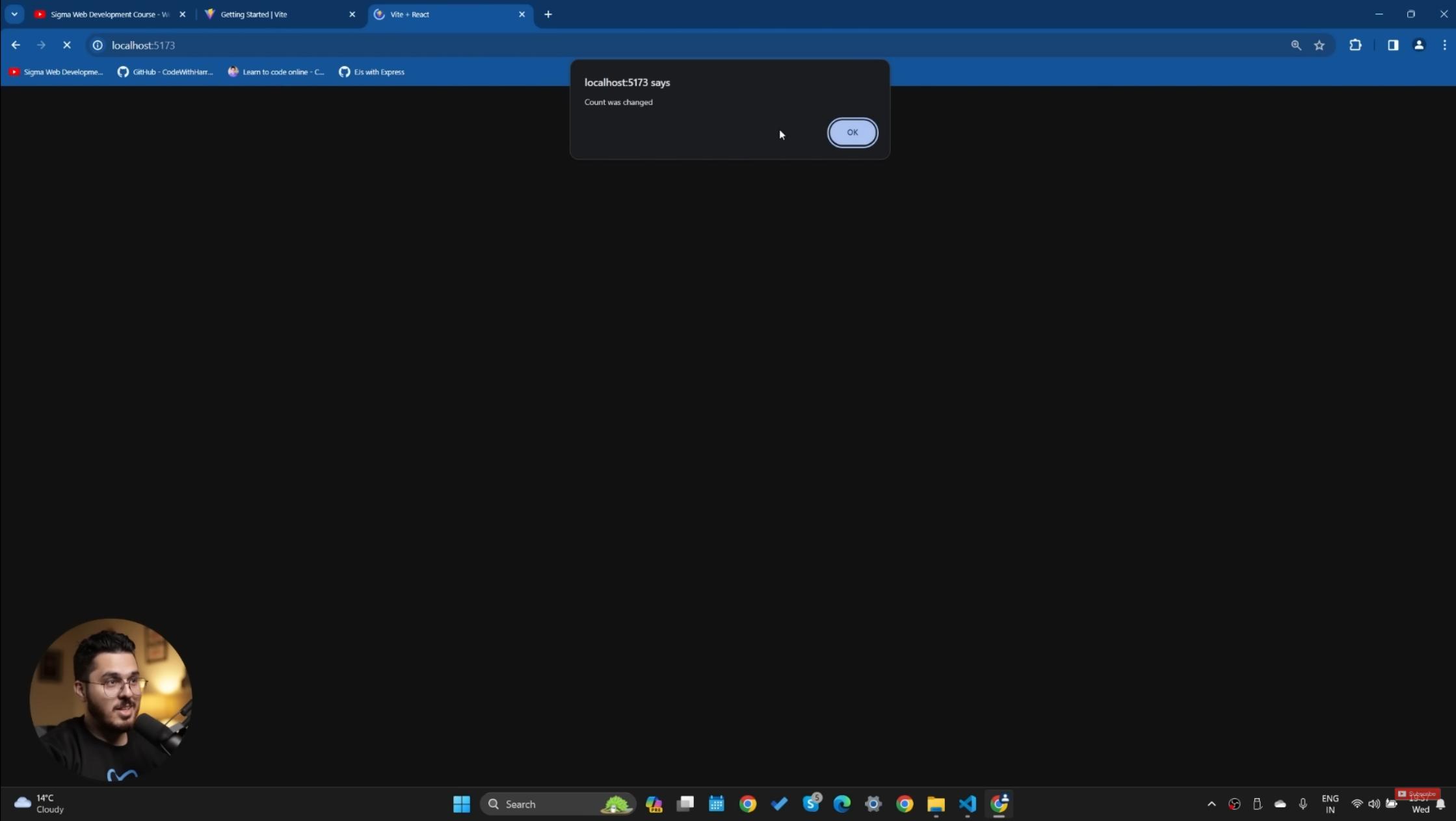
```
src > App.jsx > App
4 import './App.css'
5 import Navbar from './components/Navbar'
6
7 function App() {
8   const [count, setCount] = useState(0)
9   const [first, setFirst] = useState(0)
10  const [color, setColor] = useState(0)
11
12  useEffect(() => {
13    alert("Count was changed")
14    setColor(color + 1)
15  }, [count])
16
17
18
19
20  return (
21    <>
22      <Navbar color={"navy " + "blue" + color}/>
23      <div>
24        <a href="https://vitejs.dev" target="_blank">
25          <img src={viteLogo} className="logo" alt="Vite logo" />
26        </a>
27        <a href="https://react.dev" target="_blank">
28          <img src={reactLogo} className="logo react" alt="React logo" />
29        </a>
30      </div>
31      <h1>Vite + React</h1>

```









localhost:5173 says

Hey I will run on every render

OK

I am navbar of navy blue0 color hehe..



Vite + React

count is 0

Edit `src/App.jsx` and save to test HMR



Click on the Vite and React logos to learn more

localhost:5173 says

Hey I am running because color was changed

OK

I am navbar of navy blue0 color hehe..



Vite + React

count is 0

Edit `src/App.jsx` and save to test HMR



Click on the Vite and React logos to learn more



localhost:5173



Sigma Web Developme...

GitHub - CodeWithHarr...

Learn to code online - C...

Ejs with Express

I am navbar of navy blue1 color hehe..



Vite + React

count is 0

Edit `src/App.jsx` and save to test HMR



Click on the Vite and React logos to learn more

localhost:5173



Sigma Web Developme... GitHub - CodeWithHarr... Learn to code online - C... Ejs with Express

localhost:5173 says

Hey I will run on every render

OK

I am navbar of navy blue2 color hehe..



Vite + React

count is 0

Edit `src/App.jsx` and save to test HMR



Click on the Vite and React logos to learn more



localhost:5173 says

Count was changed

OK

I am navbar of navy blue2 color hehe..



Vite + React

count is 0

Edit `src/App.jsx` and save to test HMR



Click on the Vite and React logos to learn more

localhost:5173 says

Hey I will run on every render

OK

I am navbar of navy blue2 color hehe..



Vite + React

count is 1

Edit `src/App.jsx` and save to test HMR



Click on the Vite and React logos to learn more

localhost:5173 says

Hey I am running because color was changed

OK

I am navbar of navy blue2 color hehe..



Vite + React

count is 1

Edit `src/App.jsx` and save to test HMR



Click on the Vite and React logos to learn more

I am navbar of navy blue3 color hehe..



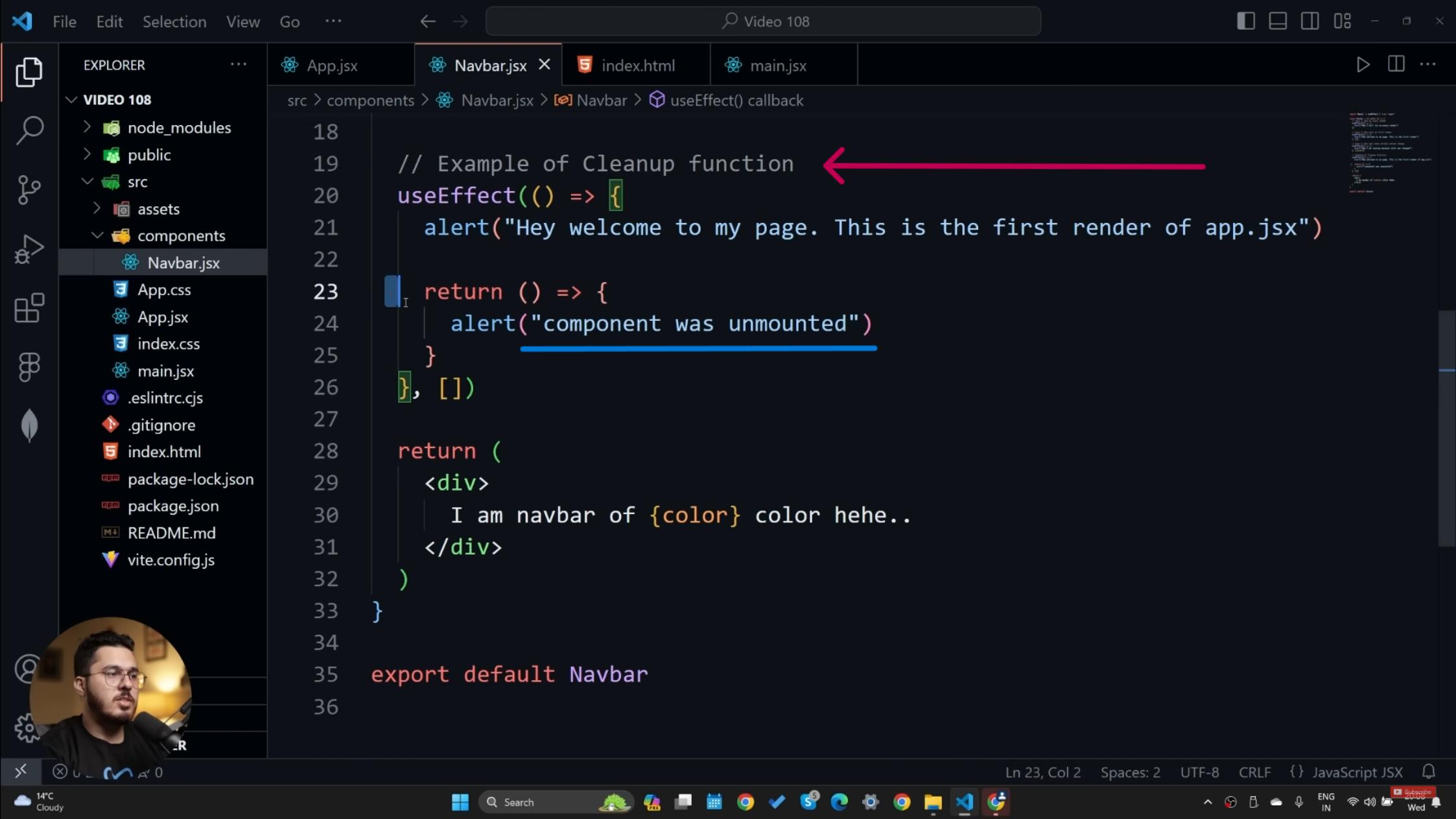
Vite + React

count is 1

Edit `src/App.jsx` and save to test HMR



Click on the Vite and React logos to learn more



EXPLORER ...

VIDEO 108

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App.jsx x Navbar.jsx index.html main.jsx

src > App.jsx > App

```
13     useEffect(() => {
14         alert("Count was changed")
15         setColor(color + 1)
16     }, [count])
17
18
19     return (
20         <>
21         {/* <Navbar color={"navy " + "blue" + color} /> */}
22         <div>
23             <a href="https://vitejs.dev" target="_blank">
24                 <img src={viteLogo} className="logo" alt="Vite logo" />
25             </a>
26             <a href="https://react.dev" target="_blank">
27                 <img src={reactLogo} className="logo react" alt="React logo" />
28             </a>
29         </div>
30         <h1>Vite + React</h1>
31         <div className="card">
32             <button onClick={() => setCount((count) => count + 1)}>
```

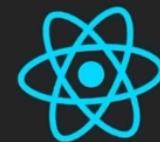
A red arrow points from the bottom right towards the code block containing the Navbar component's opening tag.

localhost:5173 says

component was unmounted

OK

I am navbar of navy blue2 color hehe..



Vite + React

count is 1

Edit `src/App.jsx` and save to test HMR



Click on the Vite and React logos to learn more