



EXPLORER

...

- > node_modules
- > public
- ✓ src
 - > assets
 - ✓ components
 - Navbar.jsx
 - App.css
 - App.jsx
 - index.css
 - main.jsx
- .eslintrc.cjs
- .gitignore
- index.html
- package-lock.json
- package.json
- README.md
- vite.config.js



App.jsx X Navbar.jsx index.css main.jsx

...

```
src > App.jsx > App
6
7   function App() {
8     const [count, setCount] = useState(0)
9     const [adjective, setAdjective] = useState("good") ←
10
11    const getAdjective = ()=>{ ←
12      return "another"
13    }
14
15
16    <>
17    <Navbar adjective={"good"} getAdjective={getAdjective} />
18    <div>
19      <a href="https://vitejs.dev" target="_blank">
20        <img src={viteLogo} className="logo" alt="Vite logo" />
21      </a>
22      <a href="https://react.dev" target="_blank">
23        <img src={reactLogo} className="logo react" alt="React logo" />
24      </a>
25    </div>
26    <h1>Vite + React</h1>
27    <div className="card">
28      <button onClick={() => setCount((count) => count + 1)}>
29        count is {count}
30      </button>
31      <p>
32        Edit <a href="src/App.jsx">src/App.jsx</a> and save to test HMR
```

Ln 17, Col 58 Spaces: 2 UTF-8 LF {} JavaScript JSX



EXPLORER ...

VIDEO 118

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 - Navbar.jsx
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App.jsx Navbar.jsx X index.css main.jsx

src > components > Navbar.jsx > Navbar

```
1 import React from 'react'
2
3 const Navbar = ({adjective}) => {
4     console.log("Navbar is rendered")
5     return (
6         <div>
7             I am a {adjective} Navbar
8         </div>
9     )
10 }
11
12 export default Navbar
```

Sigma Web Development Course - W Vite + React

localhost:5173

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I am a good Navbar

Vite React

count is 7

Edit src/App.jsx and save to test HMR

Click on the Vite and React logos to learn more

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Console

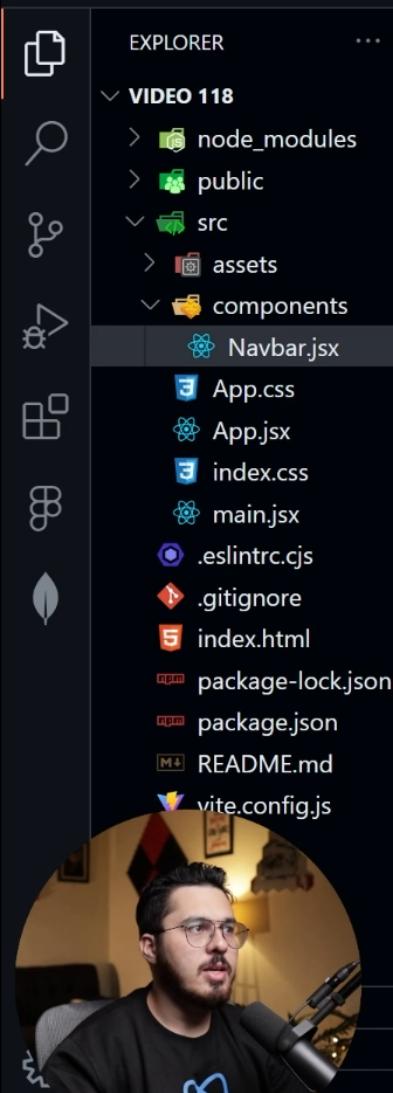
react-dom_client.js?v=2c7cd9d2:21534
Download the React DevTools for a better development experience: <https://reactjs.org/link/react-devtools>

Navbar is rendered Navbar.jsx:4

7 Navbar is rendered Navbar.jsx:4

No Issues

ENG IN Sat



App.jsx Navbar.jsx X index.css main.jsx

src > components > Navbar.jsx > default

```
1 import React from 'react'
2 import { memo } from 'react'
3
4 const Navbar = ({adjective}) => {
5   console.log("Navbar is rendered")
6   return (
7     <div>
8       I am a {adjective} Navbar
9     </div>
10  )
11 }
12
13 export default memo(Navbar)
14
```

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App.jsx x Navbar.jsx index.css main.jsx

```
src > App.jsx > App
6
7   function App() {
8     const [count, setCount] = useState(0)
9     const [adjective, setAdjective] = useState("good")
10
11    const getAdjective = ()=>{
12      return "another"
13    }
14
15    return (
16      <>
17        <Navbar adjective={"good"} />
18        <div>
19          <a href="https://vitejs.dev" target="_blank">
20            <img src={viteLogo} className="logo" alt="Vite logo" />
21          </a>
22          <a href="https://react.dev" target="_blank">
23            <img src={reactLogo} className="logo react" alt="React logo" />
24          </a>
25        </div>
26        <h1>Vite + React</h1>
27        <div className="card">
28          <button onClick={() => setCount((count) => count + 1)}>
29            count is {count}
30          </button>
31          <p>
32            Edit <a href="https://github.com/vitejs/vite/edit/main/examples/react-hmr/src/App.jsx" target="_blank">src/App.jsx</a> and save to test HMR

```

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Windows Start

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Chrome

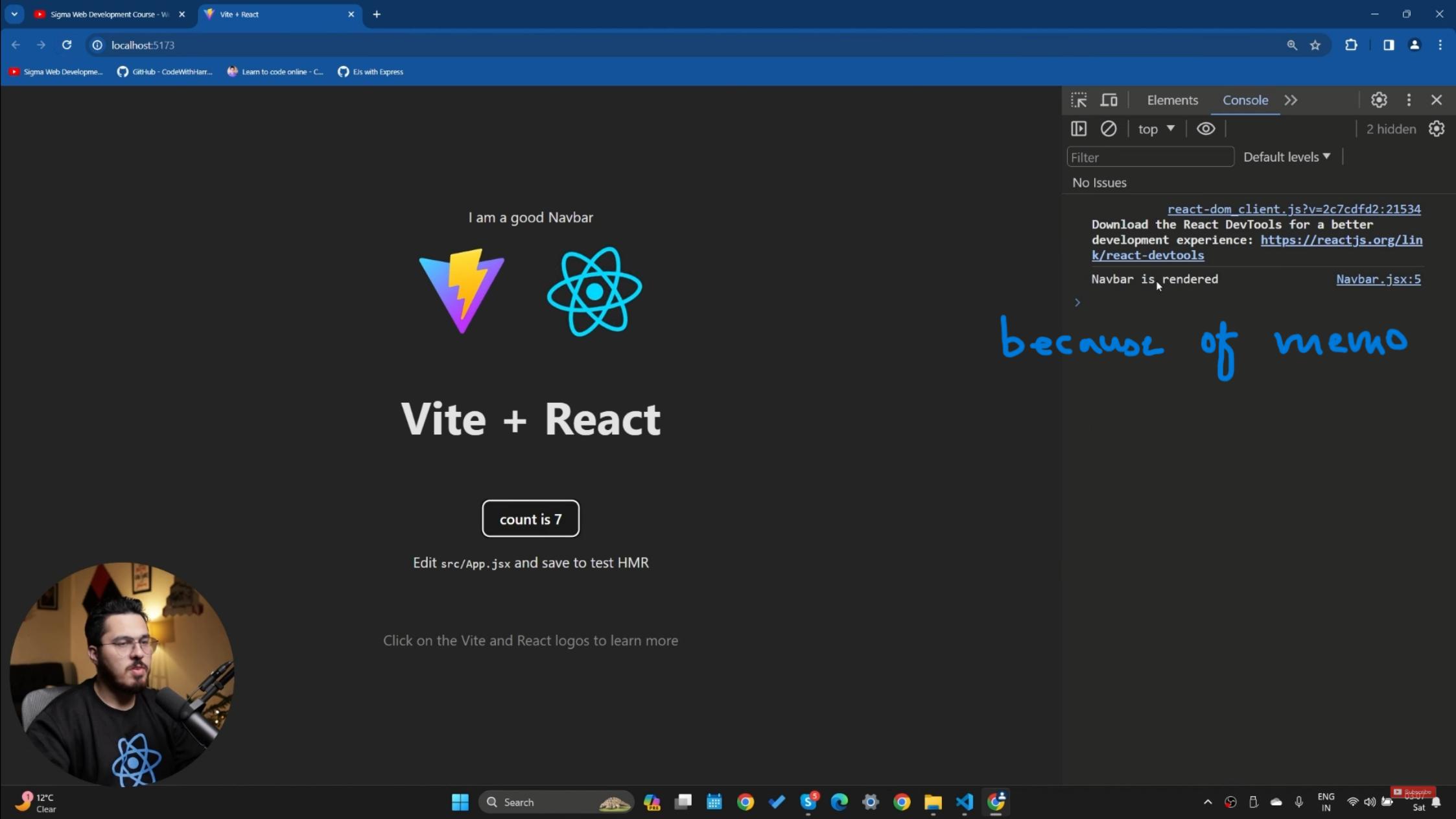
VS Code

File Explorer

Terminal

Subscriptions

Sat



EXPLORER ...

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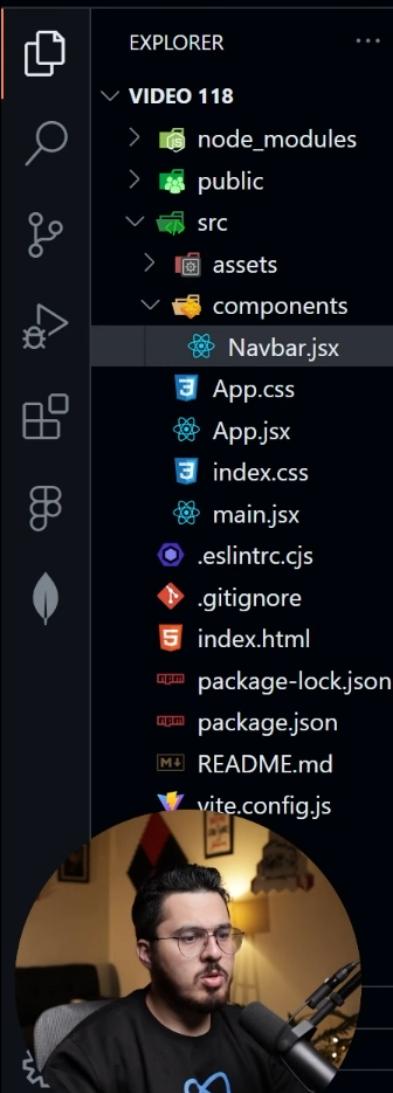


App.jsx X Navbar.jsx index.css main.jsx

```
src > App.jsx > App
  5 import Navbar from './components/Navbar'
  6
  7 function App() {
  8   const [count, setCount] = useState(0)
  9   const [adjective, setAdjective] = useState("good")
 10
 11   const getAdjective = ()=>{
 12     return "another"
 13   }
 14
 15   return (
 16     <>
 17       <Navbar adjective={"good"} getAdjective={getAdjective} />
 18       <div>
 19         <a href="https://vitejs.dev" target="_blank">
 20           <img src={viteLogo} className="logo" alt="Vite logo" />
 21         </a>
 22         <a href="https://react.dev" target="_blank">
 23           <img src={reactLogo} className="logo react" alt="React logo" />
 24         </a>
 25       </div>
 26       <h1>Vite + React</h1>
 27       <div className="card">
 28         <button onClick={() => setCount((count) => count + 1)}>
 29           count is {count}
 30         </button>
 31       <p>
 32         Edit <code>src/App.jsx</code> and save to test HMR

```

Added again



```
src > components > Navbar.jsx > Navbar
1 import React from 'react'
2 import { memo } from 'react'
3
4 const Navbar = ({adjective, getAdjective}) => {
5   console.log("Navbar is rendered")
6   return (
7     <div>
8       I am a {adjective} Navbar
9       <button onClick={()=>{getAdjective()}}>Change me</button>
10    </div>
11  )
12}
13
14 export default memo(Navbar) ← Remember memo is still here. *
```

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Elements Console > Filter Default levels ▾ No Issues

react-dom_client.js?v=2c7cd9d2:21534 Download the React DevTools for a better development experience: <https://reactjs.org/link/react-devtools>

Navbar is rendered Navbar.jsx:5

6 Navbar is rendered Navbar.jsx:5

>

↑ ⚡

I am a good Navbar Change me

Vite + React

count is 6

Edit src/App.jsx and save to test HMR

Click on the Vite and React logos to learn more

rendering even when the getadjective ()=> is not changing

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I am a good Navbar Change me

Vite + React

count is 6

Edit index.jsx and save to test HMR

Follow me on Twitter and go to learn more

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Elements Console Sources Network Performance Security Memory Application Lighthouse Recorder ➡️ Default levels ▾ No Issues 2 hidden

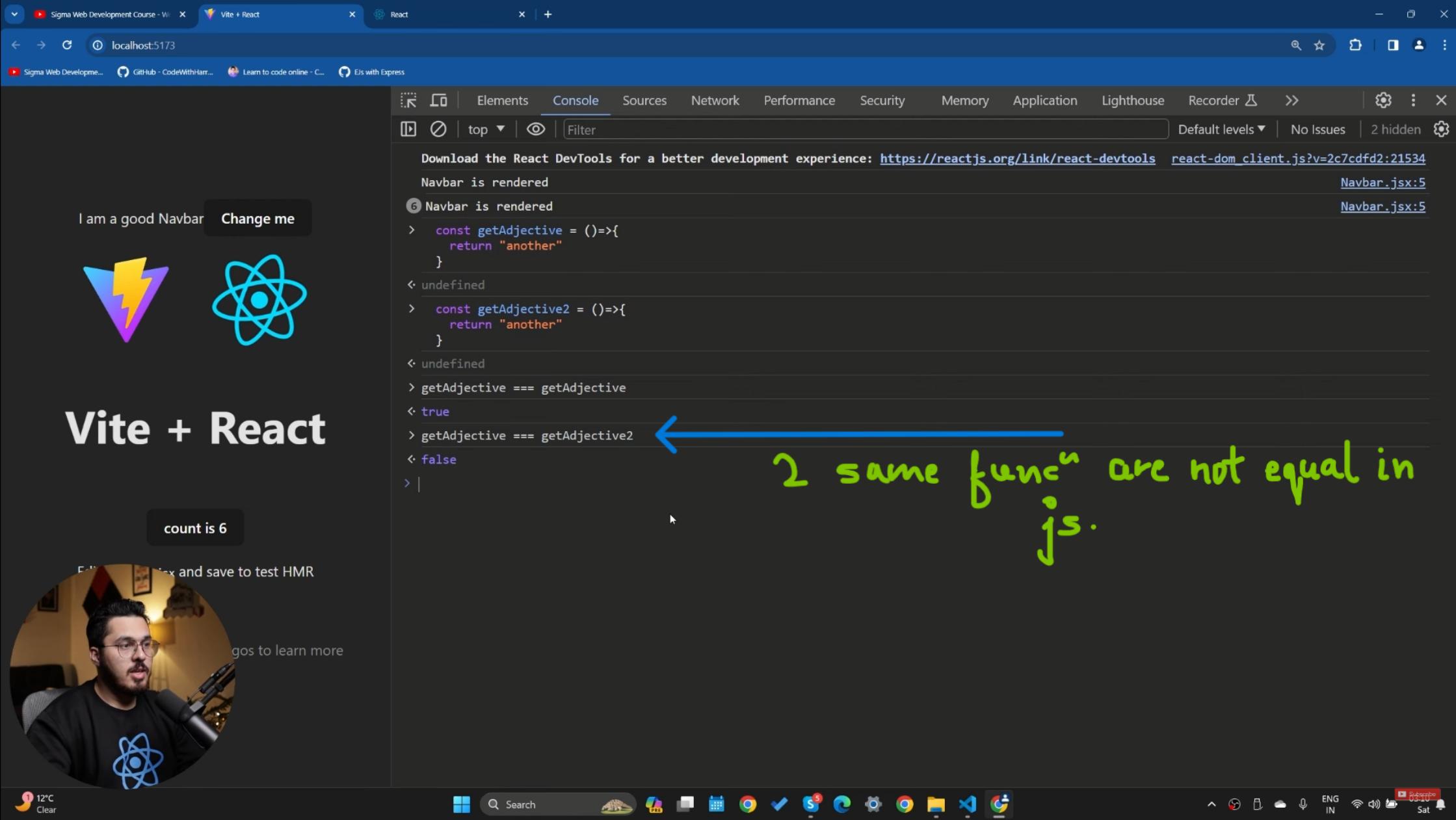
Download the React DevTools for a better development experience: <https://reactjs.org/link/react-devtools> react-dom_client.js?v=2c7cd9d2:21534

Navbar is rendered

6 Navbar is rendered

> const getAdjective = ()=>{
 return "another"
}
< undefined
> const getAdjective2 = ()=>{
 return "another"
}
< undefined
> getAdjective === getAdjective
< true
> getAdjective === getAdjective2
< false
> |

2 same funcⁿ are not equal in js.





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VIDEO 118

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App.css

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README.md

vite.config.js



App.jsx X Navbar.jsx index.css main.jsx

src > App.jsx > App > getAdjective

```
5 import Navbar from './components/Navbar'  
6  
7 function App() {  
8   const [count, setCount] = useState(0)  
9   const [adjective, setAdjective] = useState("good")  
10  
11  // const getAdjective = () => {  
12  //   return "another" + count  
13  // }  
14  
15  const getAdjective = useCallback(() => {  
16    return "another" + count  
17  }, [])  
18  
19  
20  
21  return (  
22    <>  
23      <Navbar adjective={"good"} getAdjective={getAdjective} />  
24      <div>  
25        <a href="https://vitejs.dev" target="_blank">  
26          <img src={viteLogo} className="logo" alt="Vite logo" />  
27        </a>  
28        <a href="https://react.dev" target=" blank">
```

freeze | memoise the func.

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I am a good Navbar another0

Vite React

count is 4

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

Click on the Vite and React logos to learn more

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Elements Console

top 2 hidden

Filter Default levels

No Issues

react-dom_client.js?v=2c7cd9d2:21534
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Navbar is rendered Navbar.jsx:5

Stopped re-rendering



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App.jsx X Navbar.jsx index.css main.jsx

src > App.jsx > App > getAdjective

```
5 import Navbar from './components/Navbar'  
6  
7 function App() {  
8   const [count, setCount] = useState(0)  
9   const [count2, setCount2] = useState(0)  
10  const [adjective, setAdjective] = useState("good")  
11  
12 // const getAdjective = () => {  
13 //   return "another" + count  
14 // }  
15  
16 const getAdjective = useCallback(() => {  
17   return "another" + count  
18 }, [count]) → unfreeze when count changed  
19  
20  
21  
22 return (  
23   <>  
24     <Navbar adjective={"good"} getAdjective={getAdjective} />  
25     <div>  
26       <a href="https://vitejs.dev" target="_blank">  
27         <img src={viteLogo} className="logo" alt="Vite logo" />  
28       </a>
```

Ln 18, Col 14 Spaces: 2 UTF-8 LF {} JavaScript JSX



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Clear



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I am a good Navbar another25

Vite React

count is 25

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

Click on the Vite and React logos to learn more

12°C Clear

Console 4 | 6 hidden | Filter Default levels | No Issues

react-dom_client.js?v=2c7cd9d2:21534
Download the React DevTools for a better development experience: <https://reactjs.org/link/react-devtools>

Navbar is rendered Navbar.jsx:5

▶ GET http://localhost:5173/src/App.jsx?t=1708119883056 net::ERR_ABORTED 500 (Internal Server Error)

▶ [hmr] Failed to reload hmr.ts:249 /src/App.jsx. This could be due to syntax errors or importing non-existent modules. (see errors above)

▶ GET http://localhost:5173/src/App.jsx?t=1708119885051 net::ERR_ABORTED 500 (Internal Server Error)

▶ [hmr] Failed to reload hmr.ts:249 /src/App.jsx. This could be due to syntax errors or importing non-existent modules. (see errors above)

Navbar is rendered Navbar.jsx:5

Navbar is rendered Navbar.jsx:5

25 Navbar is rendered Navbar.jsx:5

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