

Sigma Web Development Course - W | Vite | Next Generation Frontend Tools | Getting Started | Vite | Vitejs - Vite (forked) - StackBlitz | create react app - Google Search

v4.vitejs.dev/guide/

Learn to code online - C... Eis with Express

Guide Config Plugins Resources Version

Compatibility Note

Vite requires Node.js version 14.18+, 16+. However, some templates require a higher Node.js version to work, please upgrade if your package manager warns about it.

With NPM:

```
$ npm create vite@latest
```

With Yarn:

```
$ yarn create vite
```

With PNPM:

```
$ pnpm create vite
```

Then follow the prompts!

You can also directly specify the project name and the template you want to use via additional command line options. For example, to scaffold a Vite + Vue project, run:

```
# npm 6.x
npm create vite@latest my-vue-app --template vue

# npm 7+, extra double-dash is needed:
npm create vite@latest my-vue-app -- --template vue

# yarn
yarn create vite my-vue-app --template vue

# pnpm
pnpm create vite my-vue-app --template vue
```

On this page

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- Trying Vite Online
- Scaffolding Your First Vite Proj...
- Community Templates
- index.html and Project Root
- Command Line Interface
- Using Unreleased Commits
- Community

ViteConf 2023

StackBlitz

ΔLabs

astro

storyblok

bit

Remix

tailwind.css

VueJobs

<div> RIOTS

Cold war In effect

ENG IN

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A screenshot of the Visual Studio Code (VS Code) interface. The title bar shows the project name "first-app". The left sidebar (Explorer) lists the project structure under "FIRST-APP", including "node_modules", "public", "src", ".eslintrc.cjs", ".gitignore", "index.html", "package-lock.json", "package.json" (which is selected), "README.md", and "vite.config.js". A circular profile picture of a man with glasses is visible at the bottom left.

The main editor area displays the contents of "package.json". The code is as follows:

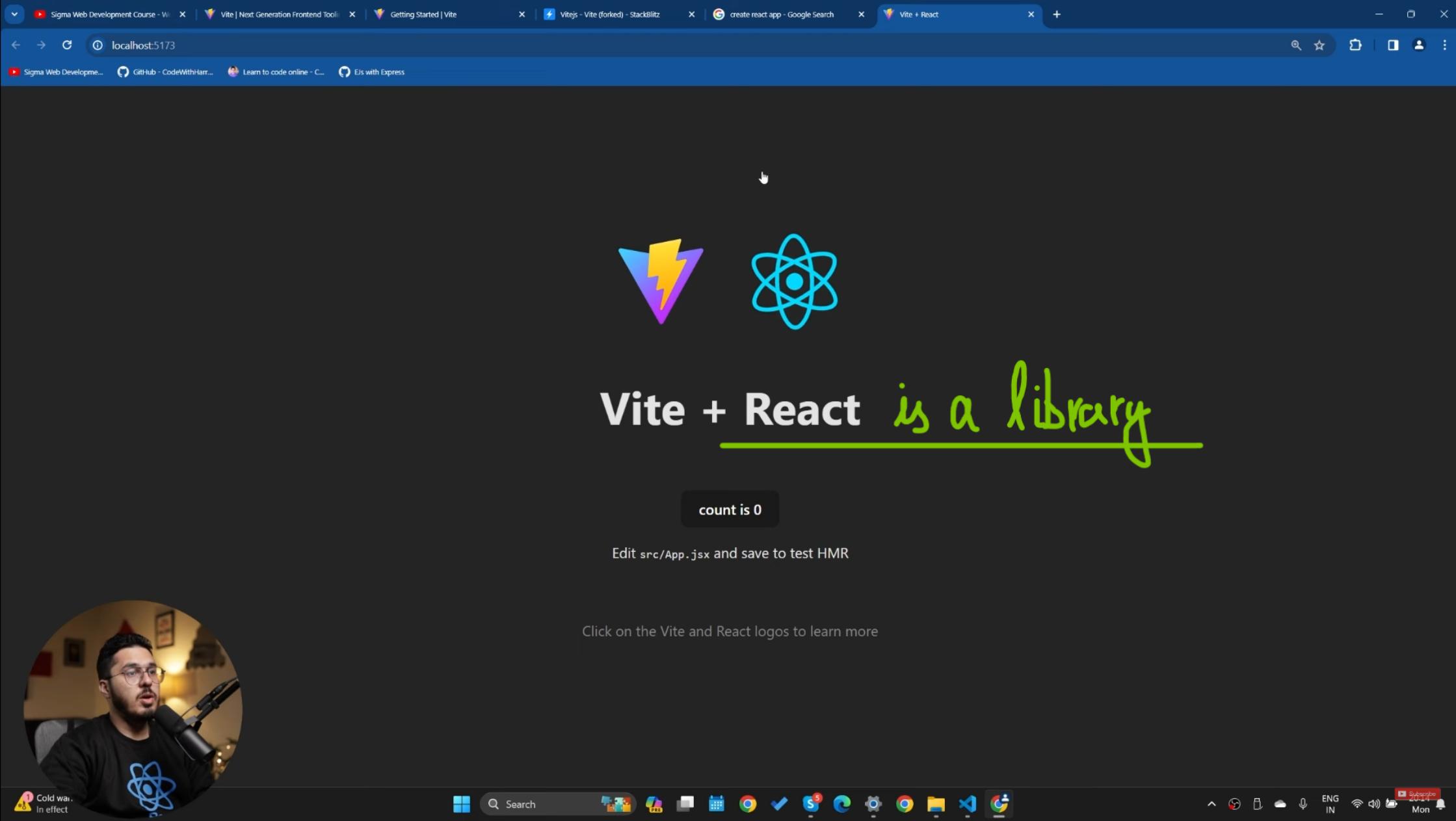
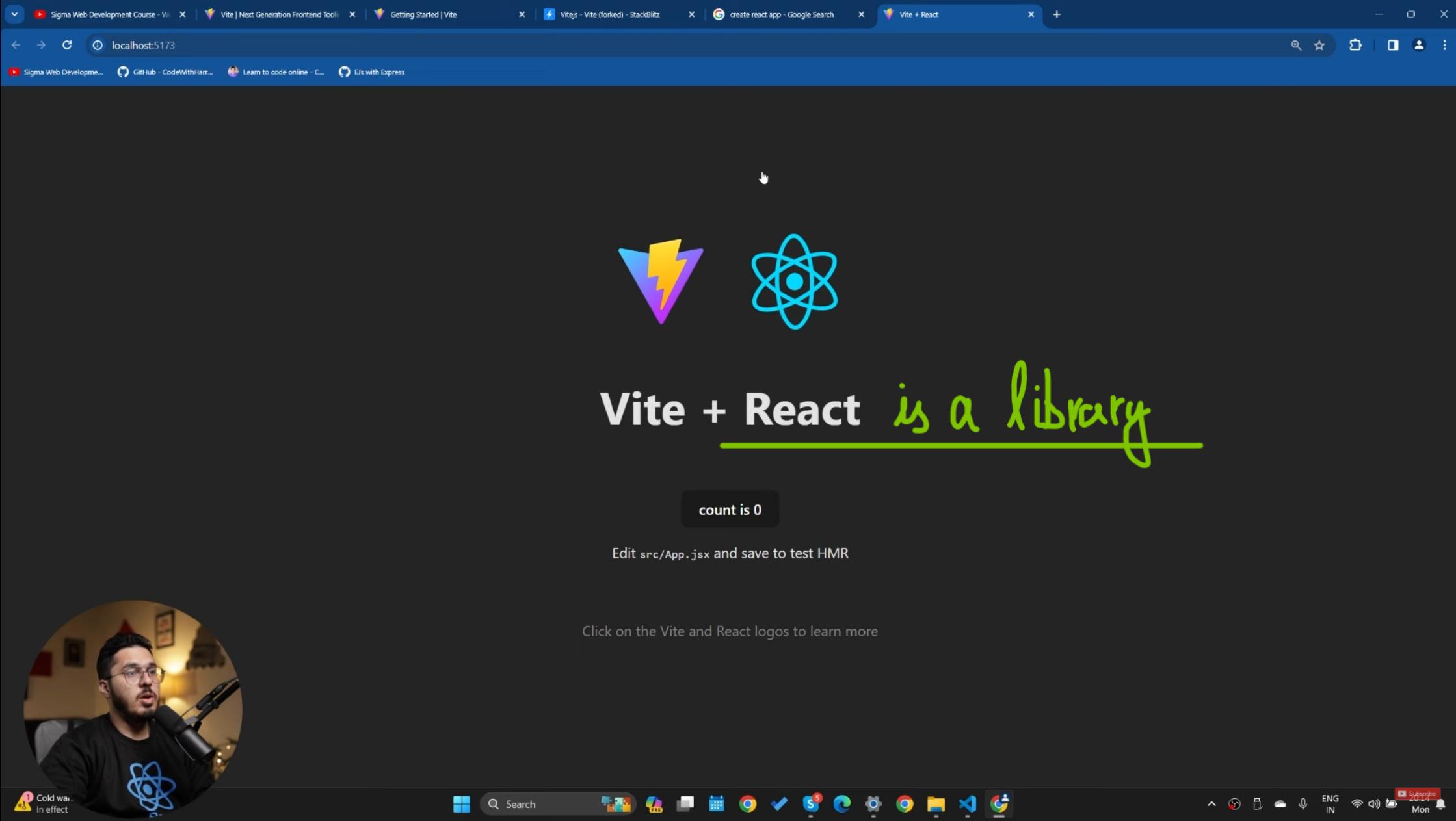
```
2  "name": "first-app",
3  "private": true,
4  "version": "0.0.0",
5  "type": "module",
6  "scripts": {
7    "dev": "vite",
8    "build": "vite build",
9    "lint": "eslint . --ext js,jsx --report-unused-disable-directives --max-warnings 0",
10   "preview": "vite preview"
11 },
12 "dependencies": {
13   "react": "^18.2.0",
14   "react-dom": "^18.2.0"
15 },
16 "devDependencies": {
17   "@types/react": "^18.2.43",
```

Below the editor, the "TERMINAL" tab is active, showing the output of an npm command:

```
added 270 packages, and audited 271 packages in 14s
97 packages are looking for funding
  run `npm fund` for details
found 0 vulnerabilities
```

The terminal also shows the command run: "PS C:\Users\iitia\Downloads\Sigma Web Development Course\Sigma-Web-Dev-Course\Video 106\first-app> npm run dev".

The bottom status bar indicates the file is "LN 1, COL 1" with "SPACES: 2" and "UTF-8" encoding. It also shows icons for "Cold war" (disabled), search, file operations, and language switching (ENG IN).





EXPLORER ...

FIRST-APP

- > node_modules
- > public
- src
 - > assets
 - 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 index.css index.html

src > App.jsx > App

```
1 function App() {  
2  
3   return (  
4     <>  
5     </>  
6   )  
7 }  
8  
9  
10 export default App  
11
```

Entry point

Ln 3, Col 11 Spaces: 2 UTF-8 LF {} JavaScript JSX

ITC Earnings

Search

Windows Start, Task View, Calendar, Chrome, File Explorer, Visual Studio Code, Google Chrome, Edge, Settings, Control Panel, System, Task Manager

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EXPLORER ...

FIRST-APP

- > node_modules
- > public
- < src
 - > assets
 - < components
 - Card.css
 - Card.jsx
 - Footer.css
 - Footer.jsx
 - Navbar.css
 - Navbar.jsx
 - App.css
 - App.jsx
 - index.css
 - main.jsx
 - .eslintrc.cjs
 - .gitignore
 - index.html
 - package-lock.json
 - package.json
 - README.md
- > OUTLINE
- > TIMELINE
- > TASK EXPLORER

App.jsx index.css Card.jsx Card.css Footer.jsx Footer.css Navbar.jsx

src > components > Card.jsx > Card

```
1 import React from 'react'
2 import "./Card.css"
3
4 const Card = (props) => {
5   return (
6     <div className='card' style={{overflow: "hidden"}}>
7       
10      <h1>{props.title}</h1>
11      <p>{props.description}</p>
12    </div>
13  }
14
15 export default Card
16
```

File Edit Selection View Go ... ← → first-app

EXPLORER ...

FIRST-APP

- > node_modules
- > public
- < src
 - > assets
 - < components
 - Card.css
 - Card.jsx
 - Footer.css
 - Footer.jsx
 - Navbar.css
 - Navbar.jsx
 - App.css
 - App.jsx
 - index.css
 - main.jsx
 - .eslintrc.cjs
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App.jsx index.css Card.jsx Card.css Footer.jsx Footer.css Navbar.jsx

src > components > Card.jsx > Card

```
1 import React from 'react'
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3
4 const Card = (props) => {
5   return (
6     <div className='card' style={{overflow: "hidden"}}>
7       
10        <h1>{props.title}</h1>
11        <p>{props.description}</p>
12      </div>
13    )
14
15  export default Card
16
```

for each card-jsx tag props act as an Object.

Card component

js Object

inline CSS

11°C Haze

Search

Mon



A screenshot of a Microsoft Visual Studio Code (VS Code) interface showing a React application named "first-app".

The Explorer sidebar on the left shows the project structure:

- node_modules
- public
- src
 - assets
 - components
 - Card.css
 - Card.jsx
 - Footer.css
 - Footer.jsx
 - Navbar.css
 - Navbar.jsx
 - App.css
 - App.jsx
 - index.css
 - main.jsx
 - .eslintrc.cjs
 - .gitignore
 - index.html
 - package-lock.json
 - package.json
 - README.md
- OUTLINE
- TIMELINE
- TASK EXPLORER

The current file is `App.jsx`, which contains the following code:

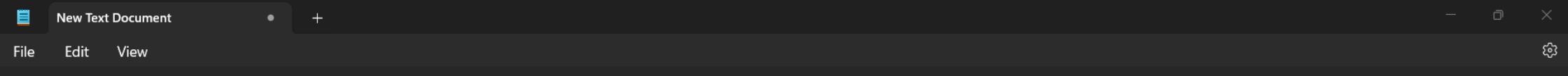
```
function App() {  
  return (  
    <>  
    <Navbar />  
    <div className="cards">  
      <Card title="card 1" description="card 1 desc" />  
      <Card title="card 2" description="card 2 desc" />  
      <Card title="card 3" description="card 3 desc" />  
      <Card title="card 4" description="card 4 desc" />  
    </div>  
    <Footer />  
  </>  
}  
  
export default App
```

Annotations are present in the code:

- A pink arrow points from the `App.jsx` entry in the Explorer to the first line of the code.
- Blue arrows point from the `<Card` components in the code to the `components` folder in the Explorer.
- A large blue arrow points from the `<Card` components to the word "Components" written in white on the right side of the screen.

The status bar at the bottom shows:

- Ln 23, Col 1
- Spaces: 2
- UTF-8
- 11°C Haze
- Search bar: first-app
- Taskbar icons: File Explorer, Search, Task Manager, Calendar, Chrome, S, Edge, Settings, File, VS Code, Google Sheets
- Bottom right corner: A video player showing a man speaking into a microphone, with a "Subscribe" button and a "Mon" timestamp.



Jsx : Simply a HTML syntactical sugar(like HTML) where JS "functionalities" can be integrated.

Jsx wrapper Empty Tag [// we can also use opening & closing div as wrapper tags: in case there are no div's in inside the "return" function(Entry Point).]

<>
.....
.....
...
</>

Jsx is more Strict than html as all the tags needed to be closed

Eg:

Index.css is the css globally for all the page components in the src folder.

props in the card.jsx acts as an object(oops)(to fetch info) for all the card component tags in app.jsx.

In jsx:
{} --> represents writing js
{{ }} --> represents object inside js [for inline css object inside js]