

# Chapter 05 - Let's get Hooked!

## Assignment

- What is the difference between **Named Export**, **Default export** and **\* as export**?
  - **Named Export:**  
You export each thing by its name.  
Example:  

```
export const myFunction = () => {};
```

  
Import like:  

```
import { myFunction } from './file';
```
  - **Default Export:**  
You export only one thing as default.  
Example:  

```
const myFunction = () => {};  
export default myFunction;
```

  
Import like:  

```
import myFunction from './file';
```
  - **\* as Export (Namespace Import):**  
When you want to import **everything** from a file at once under one name.  
Example:  

```
import * as myModule from './file';
```

  
Then you can use like:  

```
myModule.myFunction();
```
- What is the importance of config.js file
  - config.js (or constants.js) is used to **store hard-coded data** like API URLs, logos, static text, etc.
  - Helps to **keep the code clean** and **makes updates easy** — if something changes (like a URL), you only have to change it in one place.
  - It follows the industry standard for **better maintainability** and **good practices**.
- What are React Hooks?
  - **Hooks are special functions** provided by React.
  - They allow you to **use state, lifecycle methods, and other features** inside functional components (without needing a class).
  - Examples of hooks: `useState()`, `useEffect()`, etc.
- Why do we need a **useState** Hook?
  - **useState** is used when your component **needs to remember and update values** (like user input, button clicks, API responses).
  - Normally, variables in a function **disappear** after the function finishes running — but `useState` **remembers** the value even after re-render.
  - When `useState` updates, **React automatically re-renders** the component and updates the UI.

**Coding Assignment:**

- Clean up your code
- Create a Folder Structure for your app
- Make different files for each Components
- Create a config file
- Use all types of import and export
- Create a Search Box in your App
- Use useState to create a variable and bind it to the input box
- Try to make your search bar work

**References**

- Code Link - <https://bitbucket.org/namastedev/namaste-react-live/src/master/>