



Assignment 5 Lets got hooked

Q1 What is the difference between Named Export, Default Export and * as Export ?

⇒ There are two primary ways to export values with JS - Default Export and Named Export
But you can use one or both of them in the same file. A file can have not more than one default export, but it can have as many named exports

Exports

```
Export default function Button () {} // default export
```

```
Export function Button () {} // named export
```

Imports

```
import Button from './button.js' // default export
```

```
import {Button} from './button.js' // named export
```

When you write a default import, you can put any name you want after import and it would still provide you with the same default export. In contrast, with named imports, the name has to match on both sides. They are called named imports

Q2 What is the importance of config.js file?

⇒ A configuration (config) file is code on your computer that allows the selection of various features and settings. It can determine parameter, preferences and alternative option in the many realms of your IT environment

Using a JSON file:

You can store the configuration data in a JSON file. Just like a component, the JSON file can be loaded using the import statement. And then you can use the data as any other Javascript object

Q3 What are React Hooks ?

- ⇒ Hooks let you use different React features from your components. You can either use the built-in Hooks or combine them to build your own. React Hooks acts as a replacement for the class system.

Q4 Why do we need a useState Hooks?

- ⇒ State lets a component "remember" information like user input

useState declares a state variable that you can update directly. It is a hook that allows you to have state variable in functional components so basically useState is the ability to encapsulate local state in a functional component.

const [state, setState] = useState(initialState);

Q5 What is the diff algorithm in DOM?

- ⇒ React compares the Virtual DOM and pre-updated Virtual Dom and only marks the sub-tree of components that are update. This process is called differencing. The algorithm behind differencing is called Differing algorithm. React uses keys to avoid unnecessary re-renders.

Q6 What is incremental rendering in React?

- ⇒ React Fiber takes charge of solving problems like it. Bringing a feature named "incremental rendering" which split rendering work into chunks and spread it out over multiple frames. The new rendering logic allows a better approximation of the principles of an animation.

