

Assignment - 7 : Soution

Ques 1: What are various ways to add images into our App? Explain with code examples?

Solu 1. 1. Create a folder to add images and import it.

```
import Logo from "/assets/images/Meshi.svg";

const ImgComp = () => {

  return(

    <img src={Logo} className="logo" alt="Logo" />

  )

}
```

export default ImgComp;

2. Host it on a CDN and refer to it in the src of img tag

```
const ImgComp = () => {

  return (

    

  )

}

export default ImgComp;
```

Ques 2: What would happen if we do console.log(useState())?

Solu 2 : We get this : [undefined, f].

Basically useState() is a hook, just like a normal function which takes initial value as an argument and returns an array, which have a initial state and a function which is used to update that state.

Ques 3: How will useEffect behave if we don't add a dependency array ?

Solu 3: The callback function will be fired each time a render is triggered.

Ques 4: What is SPA?

Solu 4: A single-page application (web app or website) loads only a single page. It then rewrites the page with new content fetched from a web server as the user interacts with it instead of loading a new page for every interaction.

Ques 5: What is difference between Client Side Routing and Server Side Routing?

Solu 5: In server-side routing what usually happens when you are entering a URL for the first time or you want to change the page, maybe you click on the about us section or the navbar, the browser immediately detects that change in the URL then the browser makes an HTTP request to the server then the server re-renders the HTML into the application, now this can be very expensive and would require time-based on the internet speed and some other factors.

In client side routing we don't need to go through all these stages, although when we first load the application that is inputting the web address the full react app is being rendered from the server, but after that when you want to change pages, maybe you click on the navbar the browser watches for change in the URL and immediately it detects change in the URL it uses the HTML5 history API to fetch the page that has already been loaded in when the application was first loaded in and returns it to the browser, and how react router knows which particular page the user is making reference to is by going off to the set of configuration which would have a couple of URLs and components that would render to the root of those URLs, so when we click on the navbar react router goes on to search for the URL and its matching component and then that component is being rendered with a javascript function call.