Chapter 07 Assignment Theory

1. **What are various ways to add images into our App? Explain with code examples?**
   We can add image using the CDN as shown below:

   ```
   <img
   src="https://res.cloudinary.com/swiggy/image/upload/fl_lossy,f_auto,q_auto,w_508,h_320,c_fill/fd457898_87g7ou9
   88" alt="Image"/>
   ```

   Another way to add img is to import the image from local project resource as shown below:

   ```
   import Logo from "../logo.png"
   …
   …
   <img src={Logo} alt="Image"/>
   ```

2. **What would happen if we do console.log(useState())?**
   console.log(useState()): It returns an array with two items. *[0]-> undefined* and *[1]-> f bound dispatchSetState()*
   console.log(useState("abc")): It returns an array. *[0]-> "abc"* and *[1]-> f bound dispatchSetState()*

3. **How will useEffect behave if we don't add a dependency array ?**
   This means useEffect runs on every render like loading of the component, changing the state variable etc.

4. **What is SPA?**
   A single page application is a website or web application that dynamically rewrites a current web page with new data from the web server, instead of the default method of a web browser loading entire new pages.

5. **What is difference between Client Side Routing and Server Side Routing?**

Server Side Routing	Client Side routing
Server side routing is not part of React Router but it is still the most common form of handling routes. With server side routing, a user clicks a link that requests a new page or new data from the server (another computer). And then new data or document is served to the user.	The reason client side routing has become something more developers have been considering when creating their apps is due to the popularity of creating single page applications (SPAs). With a SPA, when a user clicks on an internal link within your application, the goal would be to see a change in the url bar to show that there is an update happening to the page without a full page refresh.