**LINK FOR REPO:** [**https://github.com/s223672039/2.1-C**](https://github.com/s223672039/2.1-C)

**LINK FOR VIDEO (CODE):** **<https://youtu.be/X8KrrcXiOn4>**

**LINK FOR VIDEO (OUTPUT):** **<https://youtu.be/cz76GQc138I>**

**REFLECTION:**

The journey of exploring Vue 3 and implementing the given tasks has been both insightful and rewarding. Through this experience, I gained a deeper understanding of front-end web development, particularly in using Vue 3 to create interactive and user-friendly web applications.

In the first task, "Exploring Vue 3," I delved into various Vue 3 concepts. Conditional rendering using directives like `v-if`, `v-else`, `v-show`, and `v-for` provided a flexible way to control the visibility of elements and generate dynamic content. Combining `v-if` with `v-for` allowed me to conditionally render elements within a loop, enhancing the application's responsiveness. Form input handling using `v-model` enabled seamless two-way data binding, ensuring that user input synchronized with the application's data.

The second task, creating a "Todo App," was an exciting hands-on experience. By incorporating HTML, CSS, and Vue 3, I developed a functional application with key features. Adding todo items was facilitated by leveraging Vue's reactivity system and data binding through `v-model`. To enhance user experience, I implemented the feature to delete completed tasks, giving users control over their task list. Incorporating CSS for aesthetics was important to ensure a visually appealing design. I employed various CSS techniques, such as transitions for smooth animations, hover effects for interactivity, and responsive design to ensure the app looked and worked well across different devices.

What stood out in these tasks was the importance of a structured approach to application development. Vue 3's component-based architecture allowed for modular code organization, promoting reusability and maintainability. The tasks reinforced the significance of clear separation of concerns between HTML, CSS, and JavaScript logic. This separation enabled efficient collaboration and troubleshooting.

One of the key takeaways from this experience was the empowerment gained through Vue 3's reactive programming model. The ability to see changes in the UI in real-time based on data manipulation was empowering and highlighted the power of modern front-end frameworks.

In hindsight, these tasks highlighted the importance of creativity in problem-solving. While the instructions provided a foundation, I realized that there were various ways to approach challenges and implement features. This encouraged me to think outside the box, explore alternative solutions, and develop a unique application that aligns with my creative vision.

In conclusion, the combination of exploring Vue 3 concepts and applying them to build a Todo app has been a valuable learning experience. It has deepened my understanding of Vue 3, front-end development principles, and user-centric design. As I move forward, I am excited to further refine my skills and continue exploring new ways to create engaging and impactful web applications.