



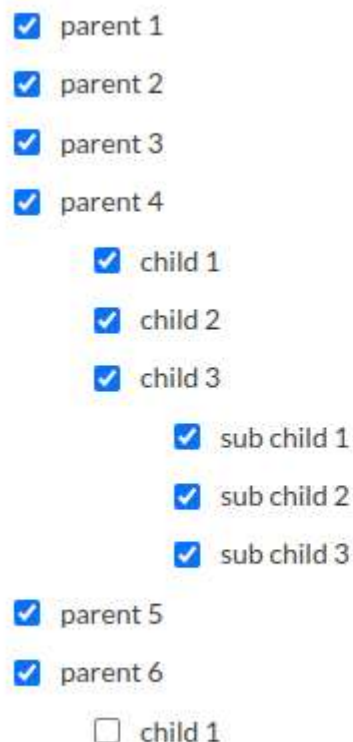
# Coding Task

## Instructions:

1. Pls read following requirements
2. Choose your preferred IDE
3. Code in Vue 2.7 or above
4. No DB required
5. Code should demonstrate coding standards, code quality, extensibility etc
6. Pls send mail working code to [jobs\\_india@firstdue.com](mailto:jobs_india@firstdue.com)
7. Subject line as “Vue Expert Code Challenge June 2024”

## Requirements

- Create a reusable component that prints (Displays) the checkbox in hierarchy as shown below



- Hierarchy can be of any level. Means sub child may also have child so that component should support any depth of the hierarchy.
- **Cases:**
  - If Parent get selected, then display child hierarchy elements without any of its children selected.



# Coding Task

- In each hierarchy, display the one level down the selected checkbox. For example, If child gets selected, then display it's sub-child list if exists.

A screenshot of a UI component showing a hierarchy of checkboxes. The top level is 'parent 4' with a checked checkbox. Below it are three items: 'child 1', 'child 2', and 'child 3', each with an unchecked checkbox. The entire component is highlighted with a yellow border.

- Same way it's true for any depth. If any child gets selected, it'll display all the sub child without any selection.
- If the checkbox gets unselected, it must hide the entire child hierarchy under that child and remove selection(s), if there's any descendent is selected previously
- Once the checkbox gets selected in that component, relevant data should be stored locally so that it can be restored completely (example case indicated below)

A screenshot of a UI component showing a hierarchy of checkboxes. The top level is 'parent 4' with a checked checkbox. Below it are three items: 'child 1', 'child 2', and 'child 3'. 'child 3' has a checked checkbox, and below it is 'sub child 1' with a checked checkbox. The entire component is highlighted with a yellow border.

Happy Coding ... Send your code to [jobs\\_india@firstdue.com](mailto:jobs_india@firstdue.com)