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Sample Questions with Answers

Web Development - Vue.js

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Web Development

Question 1:

What is Vue.js and what are its key features?

> **[ANSWER] Answer & Explanation:**
>
> Vue.js is a progressive JavaScript framework for building user interfaces. Key features include: reactive data binding, component-based architecture, virtual DOM, directives, computed properties, and easy integration with existing projects.

Question 2:

Explain the Vue.js instance lifecycle hooks.

> **[ANSWER] Answer & Explanation:**
>
> Vue.js lifecycle hooks: beforeCreate, created, beforeMount, mounted, beforeUpdate, updated, beforeDestroy, destroyed. Example: mounted() { console.log("Component mounted"); }

Question 3:

What is data binding in Vue.js? Explain with examples.

> **[ANSWER] Answer & Explanation:**
>
> Data binding connects data to DOM elements. One-way: {{ message }}, Two-way: v-model="message". Example: <input v-model="name"> <p>{{ name }}</p>

Question 4:

What are Vue.js directives? List common directives.

> **[ANSWER] Answer & Explanation:**
>
> Directives are special attributes with v- prefix. Common ones: v-if, v-for, v-show, v-model, v-bind, v-on, v-html, v-text. Example: <div v-if="isVisible">Content</div>

Question 5:

Explain v-if vs v-show in Vue.js.

> **[ANSWER] Answer & Explanation:**
>
> v-if conditionally renders elements (adds/removes from DOM), v-show toggles CSS display property. v-if has higher toggle cost, v-show has higher initial render cost. Use v-show for frequent toggles.

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