

Sample Questions with Answers

Web Development - Vue.js

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Web Development

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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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