

Sample Questions with Answers

Web Development - Angular

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Web Development

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Question 1:

What is Angular and what are its key features?

[ANSWER] Answer & Explanation:

Angular is a TypeScript-based open-source web application framework developed by Google. Key features include: Component-based architecture, Two-way data binding, Dependency injection, Directives and pipes, Routing and navigation, RxJS for reactive programming, CLI for development workflow, Cross-platform development support.

Question 2:

What are the main differences between Angular and AngularJS?

[ANSWER] Answer & Explanation:

Key differences: Language (Angular uses TypeScript, AngularJS uses JavaScript), Architecture (Angular is component-based, AngularJS is MVC-based), Mobile Support (Angular has better mobile support), Performance (Angular is faster with better change detection), CLI (Angular has powerful CLI tools).

Question 3:

What are Angular components and how do you create them?

[ANSWER] Answer & Explanation:

Components are the basic building blocks of Angular applications. They control a patch of screen called a view. Create using: `@Component({ selector: "app-hello", template: "{{title}}" }) export class HelloComponent { title = "Hello World"; }`. CLI: `ng generate component component-name`

Question 4:

Explain the different types of data binding in Angular.

[ANSWER] Answer & Explanation:

Angular supports four types: 1. Interpolation `{{value}}` - One-way from component to view, 2. Property Binding `[property]="value"` - One-way from component to view, 3. Event Binding `(event)="handler()"` - One-way from view to component, 4. Two-way Binding `[(ngModel)]="property"` - Bidirectional

Question 5:

What are Angular directives and their types?

[ANSWER] Answer & Explanation:

Directives are classes that add additional behavior to elements. Types: 1. Component Directives (Components with templates), 2. Structural Directives (`*ngIf`, `*ngFor`, `*ngSwitch`), 3. Attribute Directives (`ngClass`, `ngStyle`)

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