

41 Angular Interview Questions Every Frontend Developer Should Know

- 1 **1** How to bind dynamic HTML data in Angular using [innerHTML]?
- 2 **2** How to pass data from parent to child using @Input()?
- 3 **3** How to call a parent component's method from a child using @Output() and EventEmitter?
- 4 **4** How to access and manipulate DOM elements using @ViewChild or ElementRef?
- 5 **5** How to bind an array or array of objects to a dropdown using *ngFor?
- 6 **6** How to create and configure lazy-loaded modules in Angular routing?
- 7 **7** How to display data entered by the user dynamically in another field?
- 8 **8** How to loop through arrays or array of objects using *ngFor?
- 9 **9** How to conditionally render elements using *ngIf or ngSwitch?
- 10 **10** How to apply conditional styling using [ngClass] or [ngStyle]?
- 1 **1** How to show or hide data based on a condition?
- 1 **2** How to bind array data to radio buttons dynamically?
- 1 **3** How to display the selected radio button value elsewhere on the screen?
- 1 **4** How to call a method when a component is rendered for the first time using ngOnInit()?
- 1 **5** How to loop through object keys and values using Angular template syntax?
- 1 **6** How does Angular detect and trigger component re-rendering (Change Detection)?
- 1 **7** How to call a method on every re-render of a component (like using ngDoCheck)?
- 1 **8** How to add data dynamically to an array declared with useState equivalent — here, using RxJS or simple push()?
- 1 **9** How to implement a live search filter in Angular using ngModel and pipes?
- 2 **0** How to create a counter component using Angular's Reactive approach (BehaviorSubject or RxJS)?
- 2 **1** How to create a counter using NgRx or a service-based state management approach?
- 2 **2** How to change focus or enable/disable child component input from parent via @ViewChild?
- 2 **3** How to implement debouncing in Angular using RxJS debounceTime()?
- 2 **4** How to fetch data from an API using Angular HttpClient service?
- 2 **5** How to force a component to re-render without changing state?
- 2 **6** How to call a method immediately after view is updated using ngAfterViewInit()?
- 2 **7** How to track and display remaining characters in a textarea using ViewChild and keyup events?
- 2 **8** How to create dependent dropdowns (e.g., load states based on selected country)?
- 2 **9** How to perform type checking using Angular's @Input() property types or interfaces?
- 3 **0** How to share data between components using Services or BehaviorSubject?

- 3 **1** Example of optimization using ChangeDetectionStrategy.OnPush.
- 3 **2** Example of optimization using pure pipes or memoization in Angular.
- 3 **3** How to create an error boundary equivalent using Angular's ErrorHandler class?
- 3 **4** How to display selected dropdown value dynamically in another textbox?
- 3 **5** How to create a pure component in Angular (stateless + OnPush)?

Some of the questions I faced today were:

- 1** Difference between Reactive Forms and Template-driven Forms in Angular
- 2** How Change Detection works in Angular and how to optimize it
- 3** Usage of RxJS operators (mergeMap, switchMap, concatMap) with real-time scenarios
- 4** How lazy loading works and why it's important in large-scale applications
- 5** Explanation of NgRx state management and its benefits
- 6** Writing custom pipes and directives and their use cases
- 7** Handling API errors globally using interceptors
- 8** Optimizing Angular apps for performance and bundle size