**Angular**

* **Explain overall architecture of angular.**
* **How bootstrapping happens in angular?**
* **What is the use of main.ts file in angular?**

This file acts as the entry point of the application. This entry point is defined in the internals of webpack that is used by Angular to support the modular functionality.

* **What exactly triggers main.ts in Angular?**

<https://stackoverflow.com/questions/50098245/what-exactly-triggers-main-ts-in-angular>

* **What is the use of angular.json, tsconfig.json?**
* **How DOM updates or manipulations happen in angular?**
* **How are ViewChildren, ViewChild, ContentChildren, ContentChild different?**
* **What are the different component lifecycle hooks?**
* **Why do you need ngOnit when you have constructor in angular component class?**
* **What is the order in which constructor and ngOnit are executed?**

Constructor and then ngOnInit.

* **What is the order in which constructor and ngOnit are executed in parent component and child component?**

Inside parent constructor.

Inside child constructor.

Inside parent ngOnInit.

Inside child ngOnInit.

* **What is the order in which constructor and ngOnit are executed in component and directive used on that component?**

Inside component constructor.

Inside directive constructor.

Inside component ngOnInit.

Inside directive ngOnInit.

* **What is a directive? Is component a directive?**
* **What is the difference between directive and component?**
* **What is the difference between directive and pipe?**

[https://stackoverflow.com/questions/41966635/angular-directives-vs- pipes#:~:text=A%20pipe%20gets%20data%20as,with%20some%20kind%20of%20features](https://stackoverflow.com/questions/41966635/angular-directives-vs-%20%20%20pipes#:~:text=A%20pipe%20gets%20data%20as,with%20some%20kind%20of%20features).

* **Explain pure and impure pipes?**

<https://www.geeksforgeeks.org/explain-pure-and-impure-pipe-in-angular/>

* **What are the different ways of communication among parent, child and grandchild components?**
* **What is Dependency Injection? How DI work in angular?**
* **What are the differences between JS module and angular module (NgModule)?**
* **Why do we need NgModule? Do components you declared and services you provided inside a module have same scope/visibility?**
* **If a module is imported for components, do you need to import it in each module needing them or only once?**
* **If a module is imported for services, do you need to import it in each module needing them or only once?**
* **When do you lazy-load a module?**
* **What is the scope of services provided in your lazy-loaded module?**
* **What is a zone? How are angular zones helpful?**
* **What is change detection? How does DOM update happen in angular?**
* **Whar are the different change detection strategies? Which one should be used and under what circumstances?**
* **What is an immutable object? When should you use in angular?**
* **Communicate between services using Behavior subject**
* **AuthGaurd**
* **How to add headers**
* **How to pass jwt token(Interceptors)**
* **Lazy loading**
* **lint**
* **bubbling**
* **polyfills**
* **9. Webpack,gulp is for bundling packages**
* **10 .Form validation states**
* **11. What is transpiling?**
* **12. How exactly is the rendering of Single Page Happening?**
* **13. angular : How to call a function from One Component in another component.**
* **1.Inject one component in other component in the constructor**
* **or 2.@ViewChild**
* **or 3.You can use angular BehaviorSubject for communicating with non related component**
* **You can call only methods of a component declared inside your component using ViewChild.**
* **If you want to make two different components interact with each other - it should be done via common service.**
* **14. How does change detection happen in Angular?**
* **15.How to add Singleton and Non SingleTon Service in Angular**
* **16.rxjs operators Concat, Merge? What are different operators in rxjs?**
* **17. What is the Change detection problem in Pipes or async pipe?**
* **https://medium.com/old-dev/angular-9-change-detection-with-pipe-and-onpush-strategy-4064425d96a8**
* **18.What is resolved?**
* **19. What are progressive Web Apps?**
* **20. What is Reactive Web forms what is setvalue and Patchvalue**
* **https://stackoverflow.com/questions/59588097/difference-between-value-and-setvalue-in-reactive-forms-in-angular-7**
* **21. Diff between Promise and Observable**
* **22.How to change tables dynamically. based on API response angular**
* **23.Pagination in AngularJS**
* **24. Deep Linking AngularJS**
* **25. Securities AngularJS apps**
* **26. Zone in angular**
* **27.Canactivate vs can deactivate**
* **28. Ivy rendering engine**
* **29. Jasmine vs karma difference**
* **30.Whar are progressive Web Apps?**
* **What is Reactive Web forms what is setvalue and Patchvalue**
* **https://stackoverflow.com/questions/59588097/difference-between-value-and-setvalue-in-reactive-forms-in-angular-7**
* **What are the different ways to bind data in angular?**
* **What is the use of package.json?**
* **How can you support backward compatibility in angular app?**
* **What is ngModule? How is it different from JS module?**
* **How components can communicate with one another?**
* **what is the use of metatag in html?**
* **what is the use of doctype?**
* **media queries in html/css?**
* **Given an array, you want to reverse all accross the application? How would you solve it? Are you**

**going to reverse it? - we can add method to Array.prototype and so will be available at all places in code.**

* **What is the difference between ngif and ngHide?**
* **What is pipe? What are the uses of pipe?**

**Good questions:**

* [**https://tusharghosh09006.medium.com/advanced-angular-interview-questions-d1573f1b350b**](https://tusharghosh09006.medium.com/advanced-angular-interview-questions-d1573f1b350b)
* **https://interviewkickstart.com/blogs/interview-questions/angular-interview-questions-developers**
* [**https://www.simplilearn.com/tutorials/angular-tutorial/angular-interview-questions**](https://www.simplilearn.com/tutorials/angular-tutorial/angular-interview-questions)
* **https://www.testgorilla.com/blog/angular-interview-questions/**

























