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| 1. What is the use of “imports” property in @NgModule?   It enables an Angular module to use functionality that was defined in another Angular module. |
| 1. How will you make sure that certain pages of your SPA will be served to only authenticated users?   By using JWT(JSON web tokens) you're encrypting the user's authentication details and storing in the client, and sending it along with every request to the API, where the server/API validates the token. |
| 1. What is Routing in Angular?   The Router enables navigation by interpreting a browser URL as an instruction to change the view. |
| 1. What steps need to be followed to create a custom pipe in Angular?   Here are the general steps to create a custom pipe:   1. Create a TypeScript Class with an export keyword. 2. Decorate it with the @Pipe decorator and pass the name property to it. 3. Implement the pipe transform interface in the class. 4. Implement the transform method imposed due to the interface. 5. Return the transformed data with the pipe. 6. Add this pipe class to the declarations [array](https://www.simplilearn.com/tutorials/data-structure-tutorial/arrays-in-data-structure) of the module where you want to use it. |
| 1. What are Attribute Directives in Angular? How can DOM events be handled when creating a custom attribute directive?   Attribute directives listen to and modify the behavior of other HTML elements, attributes, properties, and components.  Adds and removes a set of CSS classes.  Adds and removes a set of HTML styles.  Adds two-way data binding to an HTML form element.  Which directive is used for event binding methods in custom directive?  **@HostBinding** and @HostListener |
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| 1. How will you make a POST request in Angular to an external API?   Use the HttpClient.**get**() **method** to fetch **data** from a server. The asynchronous **method** sends an **HTTP request**, and returns an Observable that emits the requested… |
| 1. What is an Observable & a Promise? State the differences.   The biggest difference is that Promises won't change their value once they have been fulfilled. They can only emit (reject, resolve) a single value. On the other hand, observables can emit multiple results.  A Promise handles a **single event** when an async operation completes or fails.  An Observable is like a **Stream** (in many languages) and allows to pass zero or more events where the callback is called for each event. |
| 1. How can you make a route active in Angular?   The RouterLinkActive is a directive for adding or removing classes from an HTML element that is bound to a RouterLink . Using this directive, we can toggle CSS classes for active Router Links based on the current RouterState . |
| 1. What are Services in Angular?   Services in Angular are simply **typescript classes with the @injectible decorator**. This decorator tells angular that the class is a service and can be injected into components that need that service. They can also inject other services as dependencies |
| 1. How to pass value between Angular components without using services?   **5 ways to share data between Angular components**   1. Parent to child component. 2. Child to parent component. 3. Sharing data between sibling components. 4. Sharing data using ViewChild property. 5. Sharing data between not related components. |
| 1. How does routing works in Angular?   Routing in Angular helps us navigate from one view to another as users perform tasks in web apps. |
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| 1. How will you make an asynchronous call in Angular?   When we are using async and await to handle asynchronous code, we should always put our code into try/catch block. In this way we will ensure that even if the promise is throwing an error, it will be caught and processed properly. |
| 1. How to use pipes in a component class directly?   Register the pipe in the module. First register the pipe you want to use as a provider in the main module file, in this case, it will be the app. ...  Inject the pipe in the component. ...  Call the pipes' transform method. |
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| 1. How can custom headers be passed while making an HTTP request in Angular? |
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| 1. What is Dependency Injection in Angular? How does Angular implement it? |
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| 1. What is the use of HttpClient in Angular? |
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| 1. What is Lazy Loading in Angular? How is it implemented? |
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| 1. Difference between pure and impure pipes in Angular. |
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| 1. What are Reactive forms in Angular? |
| 1. What are the steps to write a custom validator in Angular Reactive forms? |
| 1. What is RxJs and how does Angular use it? |
| 1. Difference between @ViewChild and @ViewChildren()? |
| 1. What is  ng-pristine & ng-dirty? |
| 1. How we can pass multiple values to a custom Pipe in Angular? |
| 1. What is an observable? How we can cancel observable call? |
| 1. How do you centralize error handling while making HTTP calls in Angular? |
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| 1. Difference between template driven and reactive forms in Angular? |
| 1. Difference between a Subject and an Observable? 2. What are the different ways a parent component can pass data to a child component in Angular? 3. What is the use of modules in Angular? 4. Identify built in structural and attribute directives in Angular 5. Difference between a component and a directive in Angular? 6. Difference between property binding and interpolation in Angular? 7. What are dynamic components in Angular and how to create them? 8. What is @Input() and @Output()? 9. What is the use of a decorator in Angular? 10. What is JIT and AOT in Angular? 11. What is an interceptor in Angular and how to create it? 12. What is the use of Angular CLI? 13. How to deploy an Angular application to cloud? 14. What is Unit Testing? 15. What is integration testing in Angular? 16. What is the use of mocking in Unit Testing? 17. What is isolated unit testing in Angular? 18. What is the use of TestBed and ComponentFixture in Angular? 19. What is setup and teardown in Jasmine? How to implement it? 20. What is xit(), xdescribe(), fit() and fdescribe() in Jasmine? 21. What is the AAA pattern in Unit Testing? 22. What is deep and shallow integration testing? 23. Difference between jasmine.createSpyObj() and spyOn()? 24. How can you mock HttpClient in Angular Unit Testing? 25. What is a test suite, test case and an assertion? 26. Difference between template and templateUrl properties of @Component() in Angular? 27. Can one TS file have multiple component classes? 28. How can a separate copy of a service be made available to each lazy loaded modules in Angular? 29. What is a singleton service in Angular? 30. What is the use of debugElement in Angular unit testing? |
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