**Interview Questions on Angular 2/4/6**

1. What is Angular 2? What is the difference between Angular 1 and Angular 2?
2. What is a template reference variable, and how would you use it?
3. What is ECMA script?
4. What is closure? One example?
5. Namespacing in Javascript?
6. How do you clone an object without using reference?
8. Explain the process by which your application is bootstrapped. How does Angular know which component to load?
9. What is the difference between devdependencies and dependencies?
10. List 4 library name that are installed in dependencies?
11. What is the use of package.json?
12. Explain the Modules in Angular 2?
13. What is Polyfills ?
14. What is the AOT complier? Pros and Cons of it?
15. Difference between AOT and JIT?
16. What is the difference between Constructors and OnInit?
17. What is the order of life cycle hook methods?
18. What is lazy loading and how to enable lazy loading?
19. Explain tsconfig.json file?
20. Explain system.config.json file?
21. Explain app.module.ts file?
22. When ngOnChanges event get called in angular 2?
23. When ngDoCheck event get called in angular 2 and in which case we used it?
24. What is the dependency Injection? Explain with example?
25. What is the Directives and explain how to implement custom directive?
26. What is Input and Output?
27. Given two components with no direct parent/child relationship, how can I share data between the components if they are both children of the same parent? What if they don’t have the same parent?
28. Explain how component routing works in Angular. How would I define routes?
29. Talk to me about security in Angular applications. How would I restrict access to routes? You may use any back-end authentication and authorization mechanisms you wish (because we don’t care about the back-end for this question set).
30. What is **pipes**? How would you transform data using pipes in Angular? (ask for examples of using built-in pipes here) How do you develop your own pipe?
31. What is an **impure** pipe?
32. What is an async pipe? What kind of data can be used with async pipe?
33. What is the difference between **Observables** and **Promises**?
34. Explain the purpose of Observables and Promises, and when each should be used (ie. when would you want to use a promise instead of an observable)?
35. How do you make AJAX calls, and how do you handle the returned data?
36. What is <ng-container>?
37. What is the difference between component and directive?
38. How to implement two data binding?
39. How would you use the ngClass directive?
40. What is the purpose of ngModule?
41. What are the attributes that you can define in an NgModule annotation?
42. What is the difference between a module's forRoot() and forChild() methods and why do you need it?
43. What is the providers property used for in a module's NgModule metadata?
44. What is bootstrapping in Angular?
45. How would you use a Route Guard?
46. What are some different types of RouteGuards?
47. How would you intercept 404 errors in Angular 2?
48. This link doesn't work. Why? How do I fix it? <div routerLink='product.id'></div>
49. What do route guards return?
50. How would you select all the child components' elements?
51. How do you submit a form?
52. What's the advantage of using FormBuilder?
53. How do you add form validation to a form built with FormBuilder?
54. How can you access validation errors in the template to display error messages?
55. What Is The Use Of Interceptors In Angular 4?
56. What Is Json Web Token in Angular 4?
57. What is call(), apply() and bind() method?
58. What is property binding and attribute binding?
59. What is component data communication?