1. What are the various ways of component communications?
2. How two unrelated components communicate each other ?
3. What do you understand by life cycle hooks of a component?
4. Components Life cycle hooks ?
5. Which one will be called first , ngOnChange or ngOnInit? Explain with Scenario
6. Lets say I have a component ABC with a property @Input() for , and from parent component a same object with changed values is passed to foo. Also component is set to onPush. In this scenario will ngOnChanges of component get executed ?
7. If there are 10 properties with @Input decorator , how will you find out which property is causing ngOnChanges to run?
8. If you use a jQuery calendar control in a Angular App and it has an event selectDate.Can I use these selectDate with Angular event binding? If yes then why and if no then why?
9. What do you understand by viewChild and contentChild ?
10. Difference between viewChild and content Child ?
11. Difference between Angular Module and JS Module ?
12. Can I read a ViewChild in ngOnInit() life cycle hook? If yes then how ?
13. What do you understand by Angular Service?
14. What do you understand by services?
15. How many objects of service Angular creates ? Can we reconfigure it to create as many objects as we want ? how ?
16. What is the difference between provideIn and providers ?
17. What is the difference between provideIn option and providers array?
18. What is lazy loading?
19. When you need non-tree shakeable service ?
20. Can you explain me the real usecase of useExisting ?
21. What are the classes used in Reactive Forms ?
22. When to use Reactive forms and when to use Template -driven forms?
23. What is @HostBinding and @HostListener ?
24. What are directives ? Types of directives?
25. What is tree-shake providers ?
26. What is the purpose of any in provideIn option?
27. How will you create custom validator for a Reactive forms?
28. Explain in detail about the change detection?
29. What is difference between onPush and defecult strategy?
30. Difference between detect changes and markFor Check?
31. Purpose of viewProviders
32. How to handle styling ? Explain viewEncapsulation mode
33. Explain SPA in details with diagram?
34. What is lazy loaded modules ?
35. For a service how many objects Angular creates for lazy loaded modules ?
36. Lets say there are 3 objects A inside that B and inside that C. Ther is a service Foo. I have passes Foo in the providers array of component c. Foo is also passed in the providers array of AppModu;e . How many objects of Foo will be created and inside C component Which object will be used ?
37. How to dynamically load a component ? can you explain me the process ?
38. Do attribute directives have life cycle hooks ?
39. Purpose of @HostBinding?
40. What is changeDetection?
41. Use of onPush?
42. Dumb component and smart component ?
43. Promise and obervables ?
44. Difference between observable and subjects ?
45. Various types of subjects ?
46. When to use Behaviour ?
47. Integrate API with Angular app?best practices ?
48. When to use observable<any> if not why ?
49. What is async pipe ?
50. What is union type and intersection type ?
51. Shallow pipe testing ?
52. Purpose of component resolver?