# Angular JS Interview Questions

1. What is Angular JS?

Angular JS is a MVC/MVVM framework started by Google that helps in building modern applications for Web, Mobile or Desktop.

Angular JS is a structural framework for dynamic web apps

Angular is a Javascript Framework which allows you to create reactive Single-Page Applications (SPAs)

1. What are the Advantages of SPAs?
   1. SPAs are very responsive, since the single HTML and JS files that render further HTML pages are all downloaded at once. There is little back and forth between Client & Server for every client action
   2. If data is required, it is fetched in the background
2. Angular 1 Vs Angular 2 Vs Angular 6 Vs Angular 7
   1. Angular 1 – Released in 2010, Completely new way of designing SPAs (now called AngularJS)
   2. Angular 2 – Release in 2016, Complete Re-write, Nothing in Angular 2.
   3. Angular 6 –

Note: Versions 2 .. 7 are just referred to as Angular. Bug Fixes, Minor Improvements but majorly Syntax has not changed from Version 2

1. Who Introduced Angular JS?
2. Versions & Features of Angular JS?
3. Architecture of Angular JS
4. What are the advantages & disadvantages of Angular JS? Why Angular JS?
5. What are differences between Angular JS and jQuery?
6. What is MVC? What is difference between MVC & MVVM?
7. Name the key features of Angular JS

*Scope, Model, View, Controller, Services, Data Binding, Directives, Filters, Testable*

1. What is difference between One-way binding and Two-way binding?
2. Explain Data binding in Angular JS. How does Angular implement Two-way data binding?
3. How does interpolation work? Ex: “{{ someModel }}”, actually work?
4. Explain Scope in Angular JS. How does Scope inheritance work?
5. Why are there two “destroy” events associated with termination of scope in AngularJS?
6. What is Template in Angular JS
7. Explain Directives in Angular JS. What are the types of directives?

*Element directives, Attribute directives, CSS Class directives, Comment directives*

1. What are Controllers in Angular JS?
2. What is Model in Angular JS?
3. What are Services in Angular JS?
4. What is Routing in Angular JS?
5. What is deep linking in Angular JS?
6. What is an Angular Expression? How do you differentiate between Angular expressions and JavaScript Expressions?
7. What is the difference between link and compile in Angular JS?
8. How to share data between Controllers in Angular JS
9. Explain Angular JS digest Cycle
10. How to internationalize in Angular JS
11. Explain “ng-app” directive
12. Explain “ng-model” directive
13. Explain “ng-controller” directive
14. Explain “ng-init” directive
15. Explain “ng-repeat” directive
16. Explain “ng-if” directive
17. Explain “ng-hide” directive
18. Explain “ng-show” directive
19. Explain “ng-click” directive
20. Explain “ng-disabled” directive
21. Explain “ng-include” directive
22. Explain “ng-class” directive
23. Explain “ng-src” directive
24. How Angular Integrates with HTML?
25. Explain “uppercase”, “lowercase” filter
26. Explain “currency” filter
27. Explain “filter” filter
28. Explain “orderby” filter
29. How does “angular.module” work?
30. How to validate data in Angular JS? E-Mail, Phone Number; (“ng-pattern”)
31. How to make an AJAX call in Angular JS
32. How to implement routing in Angular JS?
33. What is the use of $routeProvider in Angular JS?
34. What is the use of $rootScope? How does it relate to $scope?
35. Explain $q service, deferred and promises
36. What is the scope hierarchy in Angular JS?
37. What is a service?
38. What is a factory method?
39. What are the differences between service and factory methods?
40. What is an injector in Angular JS?
41. What components can be injected as dependency in Angular JS?
42. What is a provider?
43. What is a constant?
44. What are Angular Modules?
45. Is Angular JS extensible?
46. Does Angular JS use the jQuery library?
47. Can Angular JS have multiple ng-app directives in a single page?
48. Can Angular applications (ng-app) be nested within each other?
49. On which types of component can we create a custom directive?
50. What is the difference between Angular JS and backbone.js?
51. What is the difference between Angular JS and knockout.js?
52. What is the difference between Angular JS and react.js?
53. What is the difference between Angular JS and vue.js?
54. Is Angular JS Compatible with all browsers?
55. List some tools for testing Angular JS applications (Protractor, Jasmine, Karma, Appium)
56. List few ways to improve performance of AngularJS app
57. What is an SPA in AngularJS?
58. How events are handled in AngularJS? Ex: Double Click event. (ng-click, ng-dbl-click, ng-mousedown, ng-mouseup, ng-mouseenter, ng-mouseleave, ng-mousemove, ng-mouseover, ng-keydown, ng-keyup, ng-keypress, ng-change)
59. Steps to unit test a AngularJS Filter
60. How to migrate from Angular 1.5 to Angular 1.5?
61. How do you reset a $timeout, $interval() and disable a $watch()?
62. What is a singleton pattern and where you you find it in AngularJS?
63. What is an interceptor? What are the common uses of it?
64. How would you implement application-wide exception handling in Angular App?
65. What is dependency injection? How is it used in Angular?

Dependencies for Angular JS

Node JS

Check version of Node JS

node -v

How to install Angular CLI

npm install -g @angular/cli

How to create a new Angular App