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Angular 6 Interview Questions

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A Quick Overview of Angular6



Angular 6, released in May 2018, is backward compatible with Angular 5. This means projects created in Angular 5 will work seamlessly with Angular 6. Angular 6 has introduced the developers to a unique feature - Angular elements. This is an essential topic in **Updated Angular 6 Interview Questions** for experienced professionals. This feature will allow the developers to render their Angular

elements as essential web elements and will be looked upon as trusted HTML elements.

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Angular 6

What is Angular 6?	Angular 6, released in May 2018, is backward compatible with Angular 5. This means projects created in Angular 5 will work seamlessly with Angular 6. Angular 6 has introduced the developers to a unique feature - Angular elements.
Latest Version	Angular 9.0. released on November 2019
Created By	Google
Initial release	20th October 2010
Platform	JavaScript engine
License	MIT License
Written in	TypeScript

Best Angular 6 Interview Questions And Answers

Q.1. What are the new features in Angular 6?

Angular 6 is almost the same as its previous version, but with few improvements. Projects developed in Angular 5 will easily support Angular 6.

Few of the crucial features that have been added to the newest version are:

- The support for TypeScript 2.7+

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Which Is Better Python Or Node.JS Or PHP

- Addition of elements
- Component Development Kit with stable Angular material
- Bazel compiler
- Ivy renderer
- Addition of restoredState and navigationSource to NavigationStart
- NgModelChange event
- Addition of multiple validators for FormBuilder's array method
- CLI 1.7 support and its feature addition
- Update for ng

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Is this helpful?

☐ Yes ☐ No

[✎ suggest an answer](#)  0

Answer

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🔗 Q. 2. What is Angular 6 and why it is used?

Angular is an advance JavaScript framework used to build both apps and web applications in HTML, JavaScript, and TypeScript. This faster, more comfortable and lighter version of Angular has many features compared to the previous release. The code written here is TypeScript, which compiles with JavaScript and displays the same in the browser.

Is this helpful?

☐ Yes ☐ No

[✎ suggest an answer](#)  0

Answer

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🔗 Q. 3. Explain various types of filter in Angular 6?

A filter is used in Angular 6 to help change data through the UI without changing its format.

2 months ago



What Is The Difference Between MySQL And MongoDB

2 months ago

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Here are the different types of filters in Angular 6

Number	Used to format numeric data as text separated with commas and also fractions.
Currency Filter	A specific data value can be specified in a particular currency format and fractions.
Date	Used to format dates in a string as per different date formats.
Uppercase	Converts string to upper case.
Lowercase	Converts string to lower case.
Filter Type	Filters an array based on a particular criterion and returns a new array.
orderBy	Used to sort an array as per a particular predicate expression.
JSON	Converts JavaScript object into a JSON string
limitTo	Returns a new array containing the specified number of elements from an existing array.

Is this helpful?

☐ Yes ☐ No


 suggest an answer  1

Answer

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QUESTIONS

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QUESTIONS

 Q. 4. What is feature Modules and also explain types of feature Modules in Angular?

In Angular, feature modules are NgModules, used for the organizational best practice of code management. It delivers a cohesive set of functionality that is specific application focused.

There are five types of feature modules:

- ☐ Routed feature modules
- ☐ Domain feature modules
- ☐ Routing modules
- ☐ Widget feature modules
- ☐ Service feature modules

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer



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Q. 5. What is Ivy Renderer in Angular 6?

Ivy Renderer in Angular 6 is the next-generation compilation and rendering pipeline which shall help reduce the bundle size, loading time in slower networks and also is very simple to use. IvyRendering is still in an experimental phase and shall be finalized in Angular 8.0 and above.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer

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Q. 6. What is flex in Angular 6?

In Angular Material, Flex is a layout which basically is a component engine allowing you to easily create Flexbox-based page layouts with a specific set of directives available for your template. In addition, Flex eradicates the need for a separate style sheet.

Is this helpful?

 suggest an answer  1

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☐ Yes ☐ No

Answer

🔗 Q. 7. What is bazel and closure compiler in angular 6?

The Bazel and Closure compiler is the newest feature added to Angular 6. The tool can be used by developers to optimize their Angular applications better. Here, Bazel will rebuild the necessary while the smaller bundles will be generated by the Closure.

*Here are some more **Top Angularjs 6 interview questions** that we have specially designed for the experienced and freshers as well.*

Also Read: [AngularJS vs. Angular 2 vs. Angular 4: What's the Difference](#)

Is this helpful?

☐ Yes ☐ No

✎ suggest an answer

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Answer

🔗 Q. 8. What is TemplateRef and ViewContainerRef in Angular 6?

TemplateRef

In Angular 6, the TemplateRef represents an embedded template that can be used to instantiate embedded.

ViewContainerRef

The ViewContainerRef represents a container where one or more than one views can be attached.

Is this helpful?

☐ Yes ☐ No

✎ suggest an answer

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Answer

🔗 Q. 9. Please explain FormGroup and FormControl in angular?

FormGroup

The FormGroup has the role in tracking validity state and value of a group of FormControl.

FormControl

In Angular, FormControl is used by developers to track validation and values of a form of control. This can be both used as standalone as well as with the parent form. FormControlName and FormControlDirective directives are used when we work with FormControl class.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

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Answer

🔗 Q. 10. Explain the difference between Promise and Observable in Angular?

S.no	Promise	Observable
1.	In Angular, A Promise operates a single event when an async operation fails or completes	The Observable allows passing zero or more events where the callback is received for each event.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

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Answer

🔗 Q. 11. How to create decorators in Angular 6?

Decorators are actually just functions that are called as per the component they are handling. A class decorator shall be called with the class being decorated and similarly for a method decorator. Here's how to create a decorator in Angular 6:

Example

Step 1:

```
function Console(target) {  
    console.log('Our decorated class', target);  
}
```

Step 2:

```
@Console  
class ExampleClass {  
    constructor() {  
        console.log('Hello!');  
    }  
}
```

Is this helpful?

☐ Yes ☐ No

[✎ suggest an answer](#)  1

Answer

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🔗 Q.12. What is Traceur compiler in angular?

The **Traceur compiler** takes ES6 or ECMAScript Edition 6 which includes generators, classes, generators, etc. and compiles it down to regular JavaScript that runs smoothly with your browser.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer

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Q.13. What is ngzone service in angular?

NgZone is used by developers to start change detection resulted by async operations automatically. It gives us back control of our code's execution. It can be used to subscribe to an Observable that is present outside of the angular zone and also to return to the angular zone when reacting to the same Observable.

*NgZone Service has always been a fantastic **Angular 6 Interview Questions** for both freshers and experienced as well.*

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer

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Q.14. Explain the difference between angular service and factory? Explain

S.no

Angular service

Factory

1.

Angular service is a function dedicated to the business layer of the application. It worked as a constructor function and invoked at runtime with new. Public methods can be added to it.

The factory is a design pattern to create objects, return functions and closures, return Object literals, return a simply String and more.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer

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🔗 Q. 15. What do you mean by injector in AngularJS?

DI or Dependency Injection software design pattern which deals how components hold of their dependencies. The AngularJS injector is a subsystem present in it to create components, resolve their dependencies and also to provide them to other components if requested.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer

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🔗 Q. 16. What is Angular 6 Elements?

These are Angular components that carry the minified version of the whole framework. Angular elements also allow users to create custom elements in a framework-agnostic way. These elements can be used in simple web projects but with powerful features of Angular within.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer

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🔗 Q. 17. What is Zone in angular 6?

The zone is a set of programs or API used by Angular 6 update the application view when any change occurred. It's an execution context that persists across asynchronous tasks.

Related Article: [What are the new features in Angular 8](#)

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer

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🔗 Q. 18. What are the difference between constructor and ngOnInit in Angular 6?

S.no	Constructor	ngOnInit
1.	The Constructor is a default method of the class executed when the class is instantiated and makes sure proper field initialization in the classes and subclasses.	In Angular 6, ngOnInit is a life cycle hook used to by the program to indicate that the component is successfully created by the Angular.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer



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🔗 Q. 19. What is system.config.ts file used in Angular?

A system.config.ts in Angular 6 is used to load modules(angular modules) compiled using the TypeScript Compiler.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer

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🔗 Q. 20. Please explain package.json file in angular?

Every npm package contains a file in the project root, which is `package.json`. The project related various metadata is stored inside it. The `package.json` file is used to share information to npm that allows it to identify the project and hand its dependencies. This file can also contain other metadata of project such as license information, configuration data, project description, project version, etc. which are crucial for both for the end-users of the package as well as npm.

Related Article: [What is lazy loading in angular 2](#)

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer


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Q. 21. What is AOT in Angular 6?

The AOT compiler converts HTML and TypeScript code into an environment-friendly JavaScript code during the build section earlier than the browser downloads and runs that code. Compiling your application in the course of the construct procedure gives a faster rendering in the browser.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer

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Q. 22. What is lazy loading and why is it used for Angular?

Lazy loading is a method in Angular that permits you to load JavaScript elements asynchronously when a unique route is activated. This can add some initial overall performance for the duration of the preliminary load, especially if you have many factors with complicated routing.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer

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Q. 23. How to detect a route change in Angular 6?

To detect router change in Angular 6, the `$on()` method is used. It is actually an event handler used to handle `$routeChangeSuccess` when triggered by a route/view change or update.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  1

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Answer

Q. 24. What is JIT compiler and its types in Angular 6?

The JIT (Just-in-Time) compiler is used to dynamically compile applications during continuous loads. There are three kinds of providers in JIT which feeds the input to the compiler on how to translate template texts in a particular language.

They are:

- ☐ **TRANSLATIONS:** It is a string containing the content of the translation file.
- ☐ **TRANSLATIONS_FORMAT:** It is the format of the file.
- ☐ **LOCALE_ID:** It is the location of the target language.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

 0  0



Answer

Q. 25. What is NgUpgrade in Angular 6?

NgUpgrade in Angular 6 is actually a library which is used to integrate both Angular and AngularJS components in an application and also help in bridging the dependency injection systems in both Angular & AngularJS.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

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Answer

Q. 26. What is angular material design?

Material Design in Angular 6 is actually an open-source framework. It helps in developing material designs to be used in mobile and commercial applications. It does not require a license for usage. The main purpose of

Material Design in Angular is to provide an integrated and seamless which integrated visual, motion and interactive designs accessible on multiple platforms.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

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Answer

Q. 27. What is difference between JIT and AOT in Angular 6?

JIT	AOT
Loads the application slower than AoT since it needs to compile the application when running for the first time	Loads the page more quickly than the JiT compilation
It downloads the compiler and compiles the application before displaying it.	It doesn't want to download the compiler since AoT already compiles the code when building the application
Since the code includes the compiler code also the bundle size will be higher.	Since it created fully compiled code and its optimized so it bundles size will be half the bundle size compiled by JiT
Suitable in development mode	Suitable in the case of production
Following command use JiT ng build, ng serve	Following command use AoT ng build --aot, ng serve --aot, ng build -

- prod

Template binding errors can be viewed at the time of displaying the application.

Template binding errors are shown at the time of building.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer

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Q. 28. What is the use of Async pipe in Angular 6?

The async pipe in Angular 6 is a special kind of impure pipe which either waits for a promise to resolve, display the data or subscribe to an observable displaying the emitted values. The Async pipe saves the boilerplate into the component model.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer


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Q. 29. What is the use of subscribe in Angular 6?

In Angular 6, the `subscribe()` is used as a method in the Observable type. This is a type that is used as a utility for asynchronously and synchronously streaming data to a variety of components that have been subscribed to the observable.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer

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Q. 30. What is data binding and its types in Angular 6?

Data binding in Angular 6 is a means or method to communicate TypeScript code within your components and templates as seen by the end-user. This is mostly used in environments working with dynamic data on the server-side and a need to update it on the front end instantly. Data binding helps this by regulating a continuous and seamless flow of information and data from the backend to the front end.

There are four different types of Data Blding in Angular 6:

- ☐ String Interpolation binding
- ☐ Property Data Binding
- ☐ Event Data Binding
- ☐ Two-way Data binding

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer


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Q. 31. What are pipes in Angular 6?

In Angular 6, Pipes are a way to declare HTML components by writing display-value transformations. A pipe usually takes the original data as input and transforms it into the desired output format.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer

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Q. 32. What is HttpClient and its benefits in Angular 6?

The HttpClient in Angular 6 offers a simplified version of client HTTP API for applications in Angular resting on the XMLHttpRequests interface exposed by the end-user in the browser.

Benefits of HttpClient:

- ☐ Included Testability Features
- ☐ Typed Requests and Response Objects
- ☐ Requests and Response Interception
- ☐ Observable APIs and a method of streamlined and efficient error handling

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer

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Q. 33. What is error handling in Angular 6?

ErrorHandler in Angular 6 is used for Error Handling and intercepting all the possible and recurring errors in the application and then logging them to the console for proper monitoring.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer


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Q. 34. What is the use of observable in Angular 6?

In Angular 6, Observables are things/components you wish to observe and take action in the future. Angular 6 uses the Observer pattern, which means that observable objects are first registered, meanwhile other objects observe them and take appropriate action as and when an action is taken on them.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer

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Q. 35. What is the use of RxJS in Angular 6?

RxJS or Reactive Extensions for JavaScript is used in Angular 6 as a reactive streams library which allows you to work upon asynchronous data streams. It can be used both on the browser and server-side.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer

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Q. 36. What is multicasting in Angular 6?

In Angular 6, Multicasting is the method of broadcasting multiple subscribers within a single execution to send values out to reach each subscriber

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer

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Q. 37. What is the use of router outlet in Angular?

In Angular 6, a router-outlet is used to function as a placeholder that loads the different components dynamically based on the current route state and activated component.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer

 0  0

Q. 38. Why we need compilation process in Angular?

Due to a mix of code in the components and the templates, integrating them needs a compiler. Hence, in Angular 6, a compiler is used.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer

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Q. 39. What is the use of Codelyzer in Angular?

In Angular 6, Codelyzer is an open-source tool to run and also check if the pre-defined guidelines of coding procedures are followed or not. It only does a static code analysis for both Angular and Typescript code. It analyses and runs on tslint.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer

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Q. 40. What is Linting in Angular?

In Angular 6, Linting is a tool that is used to check the Typescript code for programmatic and styling errors. A JSON file is a configuration for linting and this file contains all the default guidelines for linting.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer

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Q. 41. What is style function in Angular 6?

In Angular 6, a style function is used to declare a key or valuable object which contains CSS properties and or styles that shall be used in an animation state or sequence. It can be used within styling data for calls to animate and keyframes.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

Answer


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Q. 42. What is ElementRef in Angular 6?

In Angular 6, ElementRef is a class and a security function that is used as a wrapper around a native element inside the view.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

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Answer

Q. 43. What is HostListener in Angular?

HostListener in Angular 6 is basically a decorator which declares a DOM event to listen for and also provide a handler method to run if and when that specific event occurs. Host Listener is a set of arguments that is used to pass the handler method when an event occurs.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

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Answer



Q. 44. What are the case types in Angular 6?

There are three case types in Angular 6:

- ☐ Upper case Pipe
- ☐ Lower Case Pipe
- ☐ Title Case Pipe

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

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Answer

Q. 45. What is a di token in Angular 6?

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

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Answer

Q. 46. What is the difference between component and directive in Angular 6?

Is this helpful?

☐ Yes ☐ No

[✎ suggest an answer](#)  0

Answer

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Interview questions on angular 6 are always a level up and thus a little tough to crack. In the Updated Angular Command Line Interface or CLI, new commands have been added such as ng-update for migrating from previous versions to the current version.

The updated Component Development Kit or CDK supports the creation of custom UI elements without the need for a material library. It also promotes responsive website layouts.

The new multiple validators will allow the developers to include various validators on a form builder. Angular 6 also includes the updated Rxjs library, which means developers can enjoy the newest features in the latest version of RxJS 6 in their Angular app. If you are scrolling on the web for **angular 6 interview questions and answers pdf**, then this guide will gonna help you.

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Features of Angular 6

- ☐ Bazel compiler
- ☐ Ivy renderer
- ☐ Addition of elements

- Component Development Kit with stable Angular material
- The support for TypeScript 2.7+
- NgModelChange event
- Addition of multiple validators for FormBuilder's array method
- CLI 1.7 support and its feature addition
- Update for ng

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