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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:

O The support for TypeScript 2.7+

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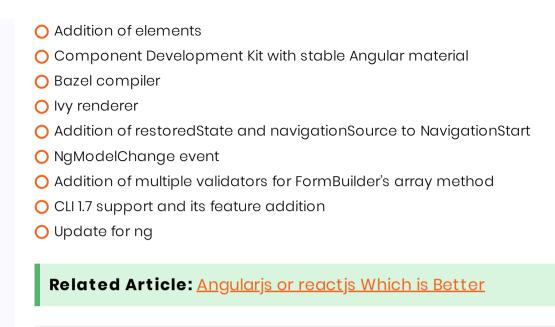


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## % Q. 2. What is Angular 6 and why it is used?

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○ Yes ○ No

Angular is an advance JavaScript framework used to 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.

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**Answer** 



### % 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.

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#### Here are the different types of filters in Angular 6 Used to format numeric data as text separated with Number commas and also fractions. Currency A specific data value can be specified in a particular Filter currency format and fractions. Used to format dates in a string as per different date formats. Date Converts string to upper case. Uppercase Converts string to lower case. Lowercase 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. Converts JavaScript object into a JSON string **JSON** limitTo Returns a new array containing the specified number of elements from an existing array.

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

Answer

**₺**9 **\**2

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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.

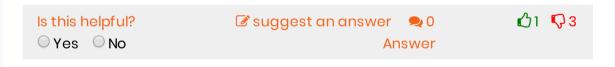
#### There are five types of feature modules:

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



### **%** Q. 5. What is Ivy Renderer in Angular 6?

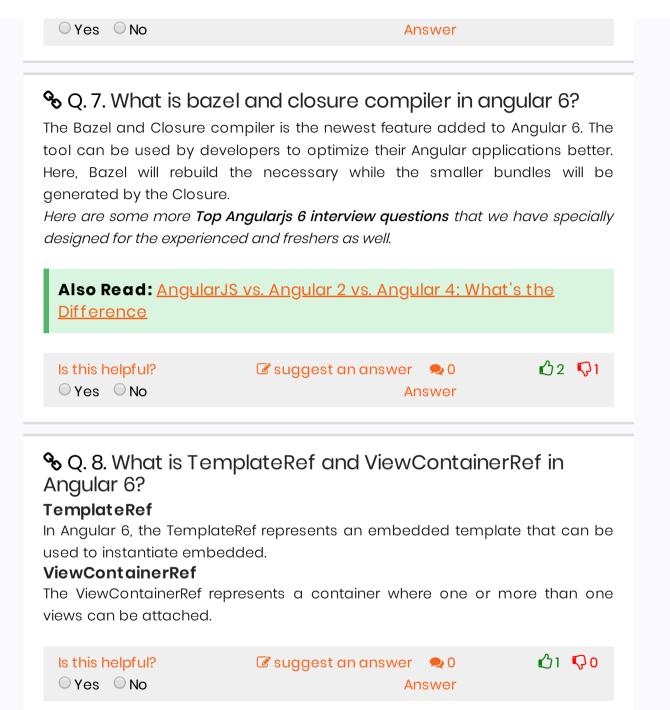
Ivy Renderer in Angular 6 is the next-generation compilation and rendering pipeline which shall help reduce the bundle size, loading time in slower networks and also is very simple to use. IvyRendering is still in an experimental phase and shall be finalized in Angular 8.0 and above.



### % 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.





## **%** Q. 9. Please explain FormGroup and FormControl in angular?

#### FormGroup

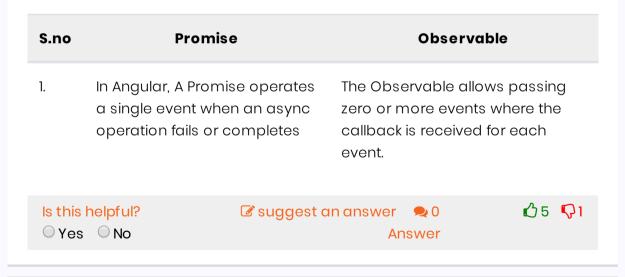
The FormGroup has the role in tracking validity state and value of a group of FormControl.

#### **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.



## **%** Q. 10. Explain the difference between Promise and Observable in Angular?



**%** 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!');
    }
```



## **%** 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.



### % 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.



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

S.no	Anç	gular service	Fac	ctory
1.	application. It constructor fu	the business layer of the worked as a nction and invoked at ew. Public methods can	The factory in pattern to continuous return function closures, retail literals, return String and managements.	reate objects, ons and turn Object n a simply
Is this • Yes	helpful? No	<b>♂</b> suggest an answ	ver <b>9</b> 0 Answer	<b>©</b> 2 <b>♥</b> 0

## **%** 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.



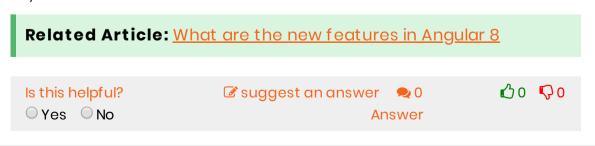
#### **%** Q. 16. What is Angular 6 Elements?

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 ANgualr within.



#### % 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.



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

S.no	Cons	structor	ngO	nInit
1.	The Constructor method of the constructor when the class makes sure proinitialization in the subclasses.	class executed is instantiated and per field	In Angular 6, no cycle hook use program to incomponent is created by the	ed to by the dicate that the successfully
Is this • Yes	helpful? No	🕜 suggest an ar	swer <b>9</b> 0 Answer	₾0 🐶0

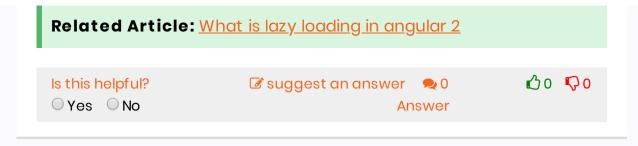
## **%** Q. 19. What is system.config.ts file used in Angular?

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



### **%** Q. 20. Please explain package.json file in angular?

Every npm package contains a file in the project root, which is <a href="package.json">package.json</a>. The project related various metadata is stored inside it. The <a href="package.json">package.json</a> 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.



#### % 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.



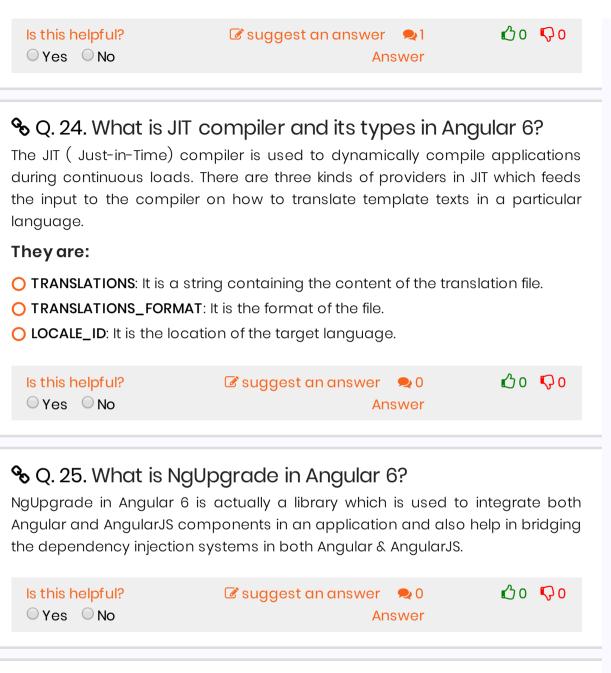
## **%** Q. 22. What is lazy loading and why is it used for Angular?

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.



## **%** 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.



#### % Q. 26. What is angular material design?

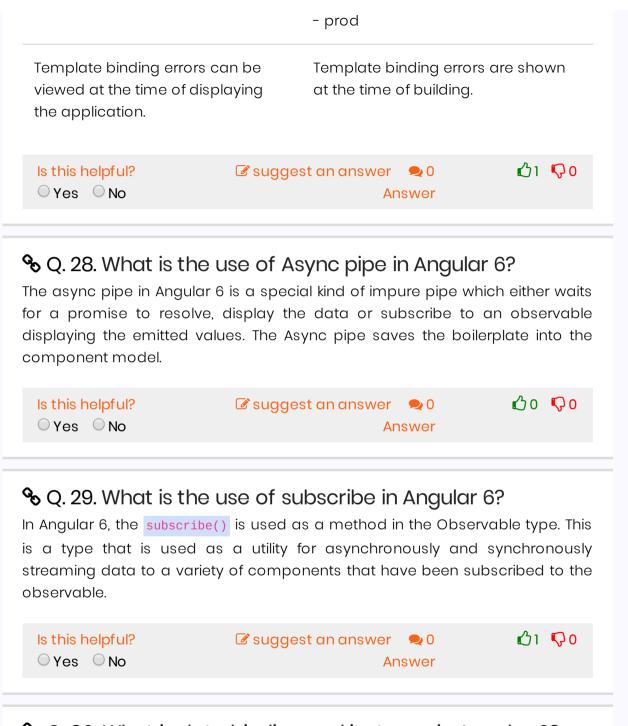
Material Design in Angular 6 is actually an open-source framework. It helps in developing mich material designs to be used in mobile and commercial applications. It does not require a license for usage. The main purpose of

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



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

JIT	АОТ
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 buildaot, ng serveaot, ng build -



**%** 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:

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

Is this helpful?	🗷 suggest an answer 🔍 0	🖒 ı 🖓 ı
○ Yes ○ No	Answer	

### % Q. 31. What are pipes in Angular 6?

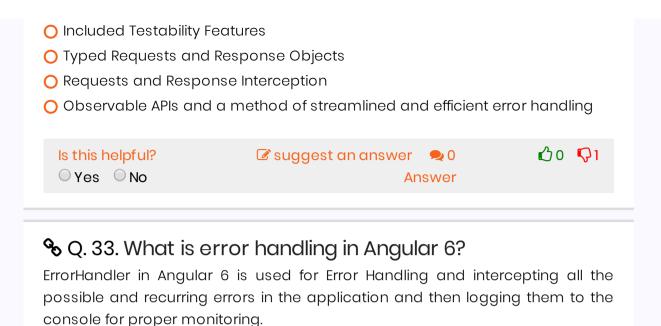
In Angular 6, Pipes are a way to declare HTML components by writing display-value transformations. A pipe usually takes the original data as input and transforms it into the desired output format.



#### % 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 Agular resting on the XMLHttpRequests interface exposed by the end-user in the browser.

#### **Benefits of HTTPClient:**





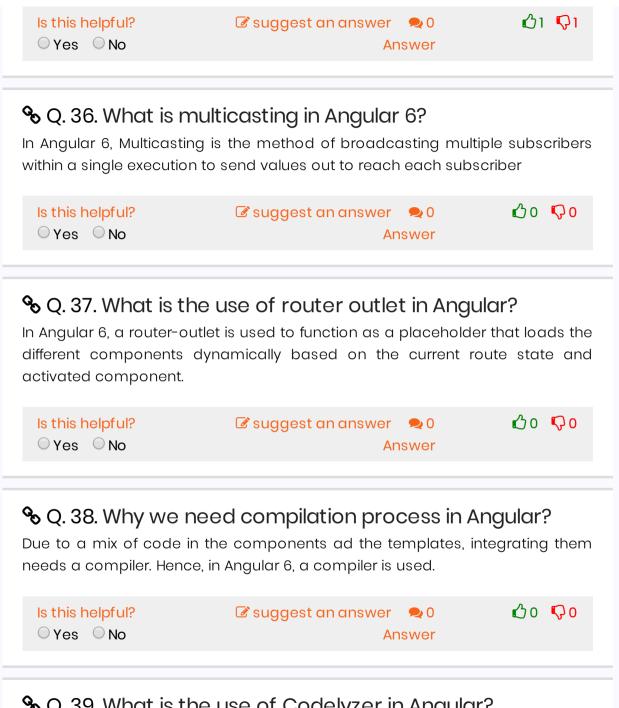
### % Q. 34. What is the use of observable in Angular 6?

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.



### % 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.



**%** 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 predefined 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.



#### % 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.



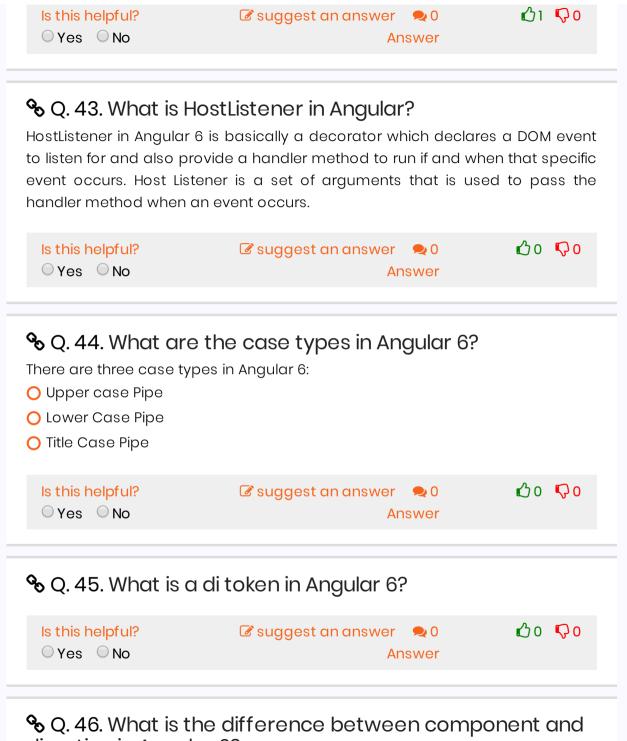
### % Q. 41. What is style function in Angular 6?

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.



### **%** Q. 42. What is ElementRef in Angular 6?

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



directive in Angular 6?

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

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

- O Component Development Kit with stable Angular material O The support for TypeScript 2.7+ NgModelChange event O Addition of multiple validators for FormBuilder's array method O CLI 1.7 support and its feature addition O Update for ng Add Review Rating: ★★★★ Your Comment Your Name Your Email **ADD YOUR REVIEW** More Interview Questions from AngularJS ✓ Angularis Interview Questions ✓ Angular 4 Interview Questions ✓ Angular 2 Interview Questions ✓ Angular 7 Interview Questions
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