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A Quick Overview of Angular8



Angular is one of the foremost frameworks, has released its latest version namely Angular 8 on 23rd of May, 2019. The latest version of Angular is incorporated with unique and attractive features. In general, Angular 8 supports new and unique features such as CLI (Command Line Interface), core framework and angular material library.

Angular 8 Interview Questions And

Answers contain these important questions and answers. Read them carefully and score well.

Angular 8

What is Angular 8?	This version released in May 28, 2019, is a JavaScript framework for building apps in HTML, JavaScript, and TypeScript. In general, Angular 8 supports new and unique features such as CLI (Command Line Interface), core framework and angular material library.
Latest Version	Angular 9.0. released on November 2019
Created By	Google
Written in	TypeScript

Best Angular 8 interview questions And Answers

🔗 Q.1. What are new features in Angular 9?

Here are the top new features of Angular 9

- An undecorated class migration schematic added to the core.
- Numeric Values are accepted in the FormControlName.
- Selector-less directives have now been allowed as base classes in View Engine in the compiler.
- Conversion of ngtscc diagnostics to ts.Diagnostics is possible

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🔗 Q. 2. What is the purpose of Wildcard route?

Wildcard routing is used in Angular 8 for defining the route of pages. Specific changes/updates can be made when defining the route using Wildcard.

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☐ Yes ☐ No

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[Answer](#)

🔗 Q. 3. What is the purpose of Codelyzer?

Codelyzer is an open-source tool in Angular 8 whose main function is to check for errors in codes not following pre-defined guidelines. It runs on the tslint.json file and checks only the static code in Angular 8.

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[Answer](#)

🔗 Q. 4. What is bazel in angular 8?

In Angular 8, **Bazel** is a new build system and it is available for a short period of time. It is the new feature of Angular 8, which provides a platform to make your backends and frontends with a similar tool. It has the possibility to have remote builds as well as cache on the build farm.

Is this helpful?

☐ Yes ☐ No

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🔗 Q. 5. How to detect a route change in Angular?

To detect router change in Angular 8, the `$on()` method is used. This is an event handler used to handle `$routeChangeSuccess` when triggered by a route/view change or update.

2 months ago



What Is The Difference Between MySQL And MongoDB

2 months ago

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Answer


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Q. 6. How Performance Improvements on the core in Angular 8?

Angular 8 has advanced level features which ensure systematic workflow and performance improvements. It has apparent features such as differential loading, CLI workflow improvements, Dynamic imports for lazy routes, Ivy rendering engine, Bazel, etc.

Is this helpful?

☐ Yes ☐ No

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Answer

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Q. 7. Why we used Service Workers in Angular?

A Service Worker is used in Angular 8 to build the basic steps of converting an application into a Progressive Web App (PWA). Service workers function as network proxies and intercepting all outgoing HTTP requests made by the application and how to respond.

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

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Answer

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Q. 8. What Are the features of Bazel?

The main features of Bazel are-

- ☐ It is an internal build tool, through which application can be customized.

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- It also tests the action and performance of multiple machines.
- It constructs a graph through which you can identify the useful information.
- It also supports customization.

Is this helpful?

☐ Yes ☐ No

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Answer

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Q. 9. What is the difference between Angular 7 and Angular 8?

Angular 7	Angular 8
Angular 7 is difficult to use	Angular 8 is easier to use
It has features such as Virtual scrolling, CLI prompts, Application performance, Drag, and drop, Bundle budget, Angular compiler, Angular elements, NativeScript, Better error handling, etc.	It has unique and advanced level features such as Differential Loading, Ivy rendering Engine, API builders, Bazel support, Support for \$location, Router backward compatibility, Opt-In Usage sharing, web- workers, etc.
Breaking changing in Angular 7 are- Component Dev Kit (CKD), Material design library and virtual scrolling.	Breaking changing in Angular 8 are- Core framework, Angular, material library and CLI.
It will support a lower version of typescript version 3.4.	It will not support a lower version of typescript version 3.4.
It supports all types Node.js	It supports Node.js version 12 or later

version

Is this helpful?

☐ Yes ☐ No

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Q.10. What are the new features in angular 8?

Angular 8 it has following new features such as

- Differential loading**- It is a technique that automatically makes your angular applications more performant. When you build applications for production, two bundles are created- One bundle for Modern browsers that support ES6+ and another bundle for older browsers that only support ESS.
- Dynamic imports for lazy routes**- In Angular version 8 there is nothing new in the concept of lazy routes itself but the syntax has totally changed. In the older version of Angular CustomString Syntax is used, but angular 8 uses standard dynamic import syntax so the syntax which is customized to Angular is migrated to industrial standard.
- Ivy rendering Engine**- It translates the templates and components into regular HTML and javascript that the browser can interpret and understand.
- Bazel**- It is a building tool through which angular developer can build backends and frontends.

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☐ Yes ☐ No

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Answer



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🔗 Q. 11. What is the difference between promise and observable in angular8?

Observables	Promises
Both synchronous as well as asynchronous	Always asynchronous
Can emit multiple values	Provides only one single value
It is lazy	It is eager

Is this helpful?
☐ Yes ☐ No

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[Answer](#)

🔗 Q. 12. What is the use of RxJS in angular8?

Angular 8 uses observables which are implemented using RxJS libraries to push code. The main job of RxJS is to work with asynchronous events.

Is this helpful?
☐ Yes ☐ No

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🔗 Q. 13. What is NgUpgrade?

NgUpgrade in Angular 8 is 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.

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Answer

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Q. 14. What is HostListener and HostBinding?

Is this helpful?

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Answer

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Q. 15. How to install Angular 8?

Steps for the Installation of Angular 8 environmental setup

Step 1

Before installing Angular IDE using Angular CLI tool, make sure that Node.js has already installed in your system.

- ☐ 1. If Node.js is not installed in your system install it using the following steps.
 - ☐ The basic requirement of Angular 8 is Node.js version 10.9.0 or later.
 - ☐ Download it using <https://nodejs.org/en/>
 - ☐ Install it on your system
 - ☐ Open node.js command prompt
 - ☐ Check the version run command, node-v in the console window

Step 2

In order to install Angular CLI, use the following commands `2) npm install -g @angular/cli` or `npm install -g @angular/cli@latest`

Step 3

To check the node and angular CLI version, run command `ng -version` on the console terminal

Is this helpful?

☐ Yes ☐ No

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Q.16. What is runGuardsAndResolvers in Angular 8?

Angular 8 introduced a number of new and unique options to **runGuardsAndResolvers**. In general, **runGuardsAndResolvers** is an option which is used for the Angular router configuration in order to control the resolvers and guards. The first option available in **runGuardsAndResolvers** is **pathParamsChange**. Through, this option router will re-run the guards and resolvers. Whenever you want to control over the resolvers and guards, use **runGuardsAndResolvers** option in Angular 8.

Is this helpful?

☐ Yes ☐ No

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Q.17. How to upgrade angular 7 to 8?

Steps to upgrade Angular 7 to 8

- ☐ Install TypeScript 3.4
- ☐ Use Node LTS 10.16 or its advanced version
- ☐ Run command on terminal panel/CLI -> ng update

@angular/cli@angular/core

Alternative- use URL link- <https://update.angular.io/>

Related Article: [Angular 6 Interview Questions](#)

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☐ Yes ☐ No

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Answer

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🔗 Q. 18. Why Incremental DOM is Tree Shakable?

In Angular 8, the framework does not interpret components in an incremental DOM. It uses component references instructions, and if it does not refer to a particular instruction, it shall be left unused. Now, Virtual DOM requires an external interpreter. Hence, not knowing which components to display, everything is shifted to the browser, making the DOM shakeable.

Is this helpful?

☐ Yes ☐ No

 suggest an answer  0

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Answer

🔗 Q. 19. What is the difference between real Dom and virtual Dom?

Real DOM	Virtual DOM
DOM is a language-neutral interface allowing programs and scripts to dynamically access and update multiple objects like content, structure, and style of a document.	Is a collection of modules designed to provide a declarative way to represent the DOM for an application.
The DOM represents the document as nodes and objects.	A virtual DOM object is a representation of a DOM object, like a lightweight copy.
It is an object-oriented representation of a web page, modified with a scripting language like JavaScript.	Virtual DOM is ideal for mobile-first applications.

Is this helpful?

☐ Yes ☐ No

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Answer

Q. 20. What is typeof checks in Angular 8?

The working of typeof checks in Angular 8 is similar with the enabled and disabled flag, which means if you want to test whether the selected value is an object or not, then the following syntax is used " `typeof value === 'object'` ". In angular 8 the following types of checks are used such as "`typeof value.ngOnDestroy === 'function'` ".

Is this helpful?

☐ Yes ☐ No

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Answer

Q. 21. How to rollback the whole object when navigating back to a page managed by Angular Router in Angular 8?

The angular router in Angular 8 enables rollback the whole object to the next as users perform application work. To present a specific component view a given URL, Angular Router is the foremost service that presents. In order to import an Angular router, it is mandatory to install a library package, @angular/router.

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

Is this helpful?

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Answer

Q. 22. What are the limitations with web workers in Angular 8?

Is this helpful?

☐ Yes ☐ No

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Answer

It develops a client-side mobile application and desktop web-based application. Moreover, Angular 8 has enabled set of partner launches such as Angular console (for running Angular project on system), NativeScript (platform for development mobile-based applications with angular), StackBlitz (for integrating IDE and NativeScript for the development of mobile-based applications with Angular), #angular/fire (for the Integration of Firebase with Angular).

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