

Define Angular and explain its primary purpose in web development.

: Angular is a Type-Script-based, open source frontend web application framework developed and maintained by Google.

It works as structured, component-based approach to build large scale, maintainable, testable single page applications (SPA) and stand alone applications.

Angular primary purpose :-

- load content without refreshing the page.

- show and hide things instantly

- Update data live.

- component based architecture

- two way data binding.

- dependency injection.

- routing

- powerful tool box

- typescript support

- built in solutions.

Q2) What are the main features of Angular?

→ Component based architecture

→ Data binding:

Data binding connects your data and your templates, so when data changes the view updates automatically.

→ Directives:-

It is instructions in the template to change how the DOM behave or looks.

→ Dependency Injection:

Instead of creating services or objects manually, Angular injects them automatically whenever needed.

Reuse code easily.

Simplifies testing and maintenance.

→ Templates:

Templates are the HTML views where you display data enter create the user interface.

→ Routing:

Angular includes a Router that lets you build navigation between different parts of your app without reloading the page.

→ Services:-

Services are classes where you put reusable logic. like setting data from

→ Angular CLI:-

CLI stands for Command Line Interface. We can create projects, components, services, and run the application by using ng commands and CLI.

→ Type Script Support:-

Angular supports TypeScript, it checks the type, extra JS features,

Q3) What is the primary difference between Angular two way binding and reads one data binding.

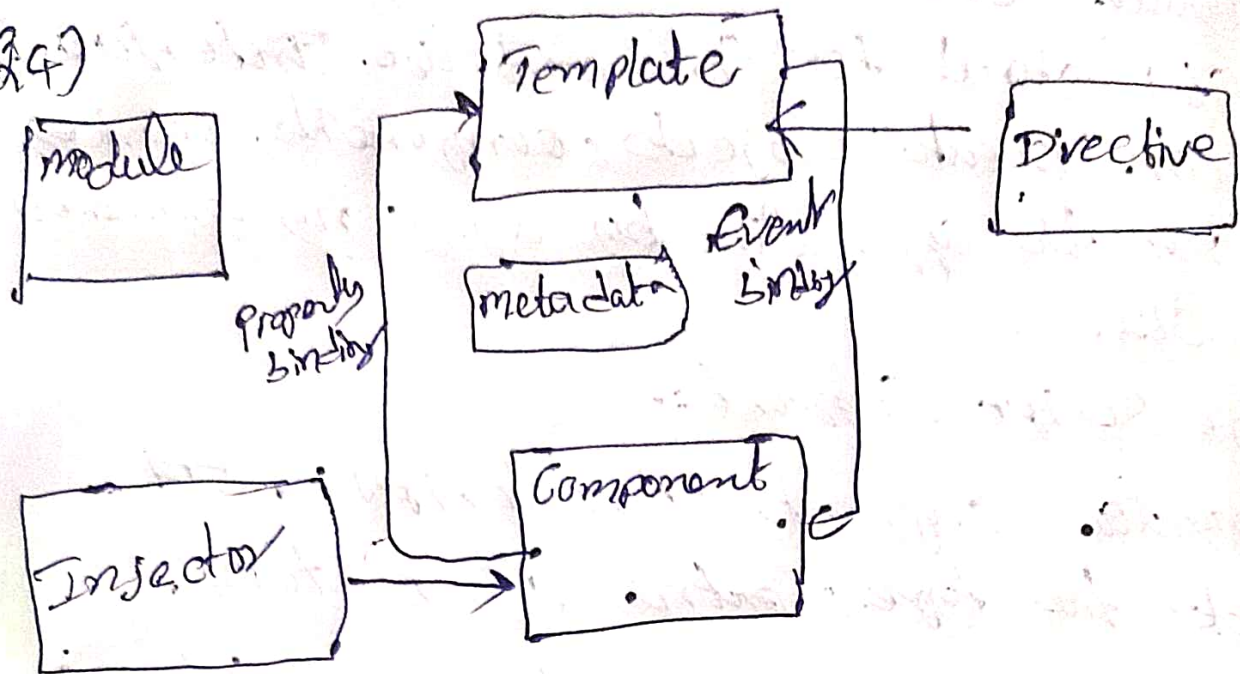
Data binding:-

Data binding is responsible for when data changes the updates by using data binding, it connects data to UI.

Angular having two way data binding:-

If data changes the UI should change.
If User changes UI data the data will change automatically.

(Q4)



Components:

A component is building block of the angular application.

A component consists of a HTML, CSS and Typescript.

To indicates a class as component.

@ component decorator is used.

Template:

A template is the HTML part of angular component, It decides what the user sees on the screen.

Metadata:

Metadata is extra info attached by part of your app.

Q5) What is the role of the Ng module.

An Ng module has two main roles:

Declaring components, directives, and pipes that belong to the Ng module
add providers to the injector for components, directives, and pipes that important - the Ng module.

Q6)

Angular CLI stands for Command Line Interface. by CLI we can create app, add components and all the things happened by using CLI.

Q7)

- Download Node JS from nodejs.org
- To check version (node -v)
- Open command prompt
* npm install -g @angular/cli

Q8)

- open terminal in vs code
ng new my-app
cd my-app
ng serve.